

09702165

L11 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2002 ACS

AN 2002:428667 CAPLUS

DN 137:10731

TI Anti-aging **cosmetic** composition containing **crape myrtle** extract

IN Menon, Gopinathan K.; Morelli-Abrams, Isabella L.

PA Avon Products, Inc., USA

SO PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.      | KIND   | DATE     | APPLICATION NO. | DATE     |
|------|-----------------|--|----------|-----------------|----------|
| PI   | WO 2002043681   | A1   | 20020606 | WO 2001-US44096 | 20011126 |
|      | W:              | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |          |                 |          |
|      | RW:             | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |
|      | AU 2002019858   | A5   | 20020611 | AU 2002-19858   | 20011126 |
| PRAI | US 2000-723459  | A  | 20001128 |                 |          |
|      | WO 2001-US44096 | W  | 20011126 |                 |          |

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2002 ACS

AN 2001:823303 CAPLUS

DN 135:348755

TI **Skin** compositions containing conchiolin hydrolyzates and plant extracts

IN Shimomura, Kenji; Hattori, Fumihiro

PA Mikimoto Pharmaceutical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

|    | PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|----|---------------|------|----------|-----------------|----------|
| PI | JP 2001316239 | A2   | 20011113 | JP 2000-136952  | 20000510 |

L11 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2002 ACS

AN 1995:769924 CAPLUS

DN 123:152599

TI **Skin**-lightening **cosmetics** containing cholesteric liquid crystals and plant extracts

IN Ueda, Kyosuke; Shimomura, Kenji

PA Mikimoto Seiyaku Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 19 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

|  | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------------|------|------|-----------------|------|
|--|------------|------|------|-----------------|------|

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PI JP 07157420 A2 19950620 JP 1993-342164 19931201

L11 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2002 ACS

AN 1994:127714 CAPLUS

DN 120:127714

TI Tolerance of nineteen species of container grown landscape plants to postemergence applications of Basagran

AU Wilson, Chris; Whitwell, Ted

CS Dep. Hortic., Clemson Univ., Clemson, SC, 29634, USA

SO Journal of Environmental Horticulture (1993), 11(2), 86-9

CODEN: JEHOD5; ISSN: 0738-2898

DT Journal

LA English

L11 ANSWER 5 OF 33 DPCI (C) 2002 THOMSON DERWENT

AN 1995-212864 [28] DPCI

DNC C1995-098284

TI **Cosmetic** for whitening **skin** - contg. extracts of **Lagerstroemia speciosa**.

DC B04 D16 D21

PA (MIKI-N) MIKIMOTO SEIYAKU KK; (NANB-I) NANBA T

CYC 1

PI JP 07126143 A 19950516 (199528)\* 7p A61K007-48

JP 3235922 B2 20011204 (200203) 7p A61K007-48

ADT JP 07126143 A JP 1993-276905 19931105; JP 3235922 B2 JP 1993-276905 19931105

FDT JP 3235922 B2 Previous Publ. JP 07126143

PRAI JP 1993-276905 19931105

IC ICM A61K007-48

ICS A61K035-78

ICA C12N009-99

FS CPI

#### CTS CITATION COUNTERS

|       |   |   |
|-------|---|---|
| PNC.D | 3 | Cited Patents Count                             |
| PNC.G | 0 | Citing Patents Count                            |
| CRC.I | 0 | Cited Literature References Count (by inventor) |
| CRC.X | 0 | Cited Literature References Count (by examiner) |

CDP CITED PATENTS UPD: 20020619

| CITING PATENT | BY CAT | CITED PATENT | ACCNO | PACO                  |
|---------------|--------|--------------|-------|-----------------------|
| JP 3235922    | B2 Ex  | JP -201969   | A     |                       |
|               | Ex     | JP 5310587   | A     | 1994-002236/01 ITOE-N |
|               | Ex     | JP 52082711  | A     | 1977-60126Y/34 NNSH   |

L11 ANSWER 6 OF 33 EUROPATFULL COPYRIGHT 2002 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1166790 EUROPATFULL ED 20020121 EW 200201 FS OS

TIEN Sugar decomposition inhibitor, digestive enzyme activity inhibitor, insulin secretion controller, and healthy food and beverage.

TIDE Inhibitor des Zuckerabbaus, Inhibitor der Verdauungsenzymaktivitaet, Steuerung der Insulinsekretion und Nahrungsmittel oder Getraenke.

TIFR Inhibiteur de la decomposition du sucre, de l'activite des enzymes

digestives, regulateur de la secretion de l'insuline et produit alimentaire ou boisson.

IN Suzuki, Yuko, c/o Ito En Cent. Res. Inst., 21 Mekami, Sagara-cho, Haibara-gun, Shizuoka 421-0516, JP;  
Hayashi, Kazuhiko, c/o Ito En Cent. Res. Inst., 21 Mekami, Sagara-cho, Haibara-gun, Shizuoka 421-0516, JP;  
Sakane, Iwao, c/o Ito En Cent. Res. Inst., 21 Mekami, Sagara-cho, Haibara-gun, Shizuoka 421-0516, JP;  
Kakuda, Takami, c/o Ito En Cent. Res. Inst., 21 Mekami, Sagara-cho, Haibara-gun, Shizuoka 421-0516, JP  
PA Ito En, Ltd., 47-10, Honmachi 3-chome, Shibuya-ku, Tokyo 151-8550, JP  
SO Wila-EPZ-2002-H01-T1b  
DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE; R TR; R AL; R LT; R LV; R MK; R RO; R SI  
PIT EPA1 EUROPÄISCHE PATENTANMELDUNG  
PI EP 1166790 A1 20020102  
OD 20020102  
AI EP 2001-115510 20010627  
PRAI JP 2000-2000194068 20000628  
IC ICM A61K035-78  
ICS A23L001-30 A23L002-38

L11 ANSWER 7 OF 33 EUROPATFULL COPYRIGHT 2002 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1057483 EUROPATFULL ED 20001217 EW 200049 FS OS  
TIEN COMPOSITION COMPRISING THEANINE.  
TIDE THEANIN-BEINHALTENDE ZUSAMMENSTELLUNG.  
TIFR COMPOSITION RENFERMANT DE LA THEANINE.  
IN UEDA, Tomoko, Taiyo Kagaku Co., Ltd., 9-5, Akahorishinmachi, Yokkaichi-shi, Mie 510-0825, JP;  
NAGATO, Yukiko, Taiyo Kagaku Co., Ltd., 9-5, Akahorishinmachi, Yokkaichi-shi, Mie 510-0825, JP;  
TANAKA, Yukiko, Taiyo Kagaku Co., Ltd., 9-5, Akahorishinmachi, Yokkaichi-shi, Mie 510-0825, JP;  
OKUBO, Tsutomu, Taiyo Kagaku Co., Ltd., 9-5, Akahorishinmachi, Yokkaichi-shi, Mie 510-0825, JP;  
KOBAYASHI, Kanari, Taiyo Kagaku Co., Ltd., 9-5, Akahorishinmachi, Yokkaichi-shi, Mie 510-0825, JP;  
AOI, Nobuyuki, Taiyo Kagaku Co., Ltd., 9-5, Akahorishinmachi, Yokkaichi-shi, Mie 510-0825, JP;  
SHU, Seiji, Taiyo Kagaku Co., Ltd., 9-5, Akahorishinmachi, Yokkaichi-shi, Mie 510-0825, JP;  
JUNEJA, Lekh, Raj, Taiyo Kagaku Co., Ltd., 9-5, Akahorishinmachi, Yokkaichi-shi, Mie 510-0825, JP  
PA Taiyo Kagaku Co., Ltd., 9-5, Akahori-Shinmachi, Yokkaichi-shi Mie-ken 510-0825, JP  
SO Wila-EPZ-2000-H49-T1b  
DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE  
PIT EPA1 EUROPÄISCHE PATENTANMELDUNG (Internationale Anmeldung)  
PI EP 1057483 A1 20001206  
OD 20001206  
AI EP 1999-905269 19990223  
PRAI JP 1998-57470 19980223  
JP 1998-142119 19980508  
JP 1998-234968 19980806  
JP 1998-330207 19981105

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RLI WO 99-JP784 990223 INTAKZ  
WO 9942096 990826 INTPNR  
IC ICM A61K031-16  
ICS A61K033-04 A61K033-06 A61K033-18 A61K033-26  
A61K033-30 A61K033-32 A61K033-34 A23L001-30  
A23L001-304

L11 ANSWER 8 OF 33 EUROPATFULL COPYRIGHT 2002 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1002526 EUROPATFULL ED 20000611 EW 200021 FS OS  
TIEN **Skin** whitening composition containing bearberry extract and a  
reducing agent.  
TIDE Ein Baerentraubenextrakt und ein Reduktionsmittel enthaltende  
Hautdepigmentierungszusammensetzung.  
TIFR Composition pour le blanchiment de la peau contenant un extrait de  
busserole et un reducteur.  
IN Leverett, Jesse C., 5741 E. Dorado Court, Rockford, Michigan 49341, US;  
Dornoff, Jeffrey M., 7535 Woodvale Street, S.E., Grand Rapids, Michigan  
49546, US  
PA Amway Corporation, 7575 Fulton Street, East, Ada, Michigan 49335, US  
SO Wila-EPZ-2000-H21-T1B  
DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;  
R IT; R LI; R LU; R MC; R NL; R PT; R SE; R AL; R LT; R LV; R MK; R RO;  
R SI  
PIT EPA1 EUROPAEISCHE PATENTANMELDUNG  
PI EP 1002526 A1 20000524  
OD 20000524  
AI EP 1999-309155 19991117  
PRAI US 1998-195577 19981118  
IC ICM A61K007-48

L11 ANSWER 9 OF 33 EUROPATFULL COPYRIGHT 2002 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 861595 EUROPATFULL ED 19980913 EW 199836 FS OS  
TIEN Gymnema inodorum roasted tea and method for preparing the same.  
TIDE Gymnema inodorum geroesteter Tee und Verfahren zur Herstellung.  
TIFR Gymnema inodorum torrefie et methode pour le preparer.  
IN Atsuchi, Mikito, 23-2, Chidori 1-chome, Ota-ku, Tokyo 146, JP;  
Hirao, Yuri, 14-15, Minamikamata 2-chome, Ota-ku, Tokyo 144, JP;  
Iwasaki, Yoshio, 30-10, Sannou 2-chome, Ota-ku, Tokyo 143, JP  
PA Kowa Chemical Industries Co., Ltd., 3-13, Hounan-cho minami 6-chome,  
Toyonaka-shi, Osaka 561, JP  
SO Wila-EPZ-1998-H36-T3a  
DS R DE; R FR; R GB  
PIT EPA1 EUROPAEISCHE PATENTANMELDUNG  
PI EP 861595 A1 19980902  
OD 19980902  
AI EP 1997-103347 19970228  
IC ICM A23F003-34  
ICS A23L001-30

L11 ANSWER 10 OF 33 JAPIO COPYRIGHT 2002 JPO

AN 2002-138044 JAPIO  
TI INHIBITOR FOR INHIBITING DIFFERENTIATION INDUCTION OF PRE- ADIPOCYTE  
IN OHARA MITSU HARU; KOJIMA HIROYUKI; UBUKATA MAKOTO; MATSUURA NOBUYASU  
PA ICHIMARU PHARCOS CO LTD

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PI JP 2002138044 A 20020514 Heisei  
AI JP 2000-330020 (JP2000330020 Heisei) 20001030  
PRAI JP 2000-330020 20001030  
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2002  
IC ICM A61K035-78  
ICS A21D002-38; A23G003-30; A23L001-16; A23L001-221; A23L001-30;  
A23L001-317; A23L001-39; A23L002-52; A61K007-00; A61K007-06;  
A61K007-075; A61K007-08; A61K007-11; A61K007-42; A61K007-48;  
A61K007-50; A61P003-04

L11 ANSWER 11 OF 33 JAPIO COPYRIGHT 2002 JPO  
AN 2001-316239 JAPIO  
TI **SKIN** CARE PREPARATION  
IN SHIMOMURA KENJI; HATTORI FUMIHIRO  
PA MIKIMOTO PHARMACEUT CO LTD  
PI JP 2001316239 A 20011113 Heisei  
AI JP 2000-136952 (JP2000136952 Heisei) 20000510  
PRAI JP 2000-136952 20000510  
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001  
IC ICM A61K007-48  
ICS A61K007-00; A61K035-36; A61K035-78; A61K035-82; A61K038-17;  
A61K038-00; A61P017-16; A61P039-06

L11 ANSWER 12 OF 33 JAPIO COPYRIGHT 2002 JPO  
AN 2001-048766 JAPIO  
TI HISTAMINE LIBERATION SUPPRESSING AGENT  
IN TADA TAKAHIRO; HATTORI FUMIHIRO; ITO SHIHO; YAMADA SHINICHI; TAKAGI KEIJI;  
SHIMOMURA KENJI  
PA MIKIMOTO PHARMACEUT CO LTD  
PI JP 2001048766 A 20010220 Heisei  
AI JP 1999-219190 (JP11219190 Heisei) 19990802  
PRAI JP 1999-219190 19990802  
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001  
IC ICM A61K007-48  
ICS A61K007-00; A61K035-78; A61P037-08; A61P043-00

L11 ANSWER 13 OF 33 JAPIO COPYRIGHT 2002 JPO  
AN 2000-302634 JAPIO  
TI **COSMETIC** COMPOSITION  
IN TOMONO NORIHIRO; TANAKA KIYOTAKA  
PA ICHIMARU PHARCOS CO LTD  
PI JP 2000302634 A 20001031 Heisei  
AI JP 1999-119228 (JP11119228 Heisei) 19990427  
PRAI JP 1999-119228 19990427  
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2000  
IC ICM A61K007-00  
ICS A61K007-48; A61P043-00; A61K035-78

L11 ANSWER 14 OF 33 JAPIO COPYRIGHT 2002 JPO  
AN 1995-157420 JAPIO  
TI **COSMETIC**  
IN UEDA KIYOSUKE; SHIMOMURA KENJI  
PA MIKIMOTO PHARMACEUT CO LTD  
PI JP 07157420 A 19950620 Heisei  
AI JP 1993-342164 (JP05342164 Heisei) 19931201  
PRAI JP 1993-342164 19931201  
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1995  
IC ICM A61K007-48  
ICS A61K007-00

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L11 ANSWER 15 OF 33 JAPIO COPYRIGHT 2002 JPO  
AN 1995-138135 JAPIO  
TI 5ALPHA-REDUCTASE INHIBITOR  
IN NANBA TSUNEO; HATTORI YUKIO; SHIMOMURA KENJI; YAMABE YUKIHISA; IIDA KOICHI  
PA MIKIMOTO PHARMACEUT CO LTD  
NANBA TSUNEO  
PI JP 07138135 A 19950530 Heisei  
AI JP 1993-288451 (JP05288451 Heisei) 19931117  
PRAI JP 1993-288451 19931117  
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1995  
IC ICM A61K007-06  
ICS A61K007-00; A61K035-78; A61K035-78

L11 ANSWER 16 OF 33 JAPIO COPYRIGHT 2002 JPO  
AN 1995-126143 JAPIO  
TI COSMETIC  
IN NANBA TSUNEO; HATTORI YUKIO; SHIMOMURA KENJI; NAKAMURA MASAMI  
PA MIKIMOTO PHARMACEUT CO LTD  
NANBA TSUNEO  
PI JP 07126143 A 19950516 Heisei  
AI JP 1993-276905 (JP05276905 Heisei) 19931105  
PRAI JP 1993-276905 19931105  
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1995  
IC ICM A61K007-48  
ICS A61K007-00; A61K035-78  
ICA C12N009-99

L11 ANSWER 17 OF 33 PATOSWO COPYRIGHT 2002 WILA  
AN 2002:808092 PATOSWO ED 20020613 EW 200223 FS OS  
TI ANTI-AGING COSMETIC COMPOSITION AND METHOD OF APPLICATION.  
IN MORELLI-ABRAMS, Isabella, L., 516 Willow Grove Road, Stony Point, NY  
10980, US;  
MENON, Gopinathan, K., 9 Miller Road, Wayne, NJ 07470, US;  
MORELLI-ABRAMS, Isabella, L., 516 Willow Grove Road, Stony Point, NY  
10980, US  
PA AVON PRODUCTS, INC., 1251 Avenue of the Americas, New York, NY  
11020-1196, US (except US);  
MORELLI-ABRAMS, Isabella, L., 516 Willow Grove Road, Stony Point, NY  
10980, US;  
MENON, Gopinathan, K., 9 Miller Road, Wayne, NJ 07470, US;  
MORELLI-ABRAMS, Isabella, L., 516 Willow Grove Road, Stony Point, NY  
10980, US  
SO Wila-IPA-2002-H23-T1  
DS W AE; W AG; W AL; W AM; W AT; W AU; W AZ; W BA; W BB; W BG; W BR; W BY;  
W BZ; W CA; W CH; W CN; W CO; W CR; W CU; W CZ; W DE; W DK; W DM; W DZ;  
W EC; W EE; W ES; W FI; W GB; W GD; W GE; W GH; W GM; W HR; W HU; W ID;  
W IL; W IN; W IS; W JP; W KE; W KG; W KP; W KR; W KZ; W LC; W LK; W LR;  
W LS; W LT; W LU; W LV; W MA; W MD; W MG; W MK; W MN; W MW; W MX; W MZ;  
W NO; W NZ; W PL; W PT; W RO; W RU; W SD; W SE; W SG; W SI; W SK; W SL;  
W TJ; W TM; W TR; W TT; W TZ; W UA; W UG; W US; W UZ; W VN; W YU; W ZA;  
W ZW;  
RW AT; RW BE; RW CH; RW CY; RW DE; RW DK; RW ES; RW FI; RW FR; RW GB; RW  
GR; RW IE; RW IT; RW LU; RW MC; RW NL; RW PT; RW SE; RW TR; RW AM; RW  
AZ; RW BY; RW KG; RW KZ; RW MD; RW RU; RW TJ; RW TM; RW GH; RW GM; RW  
KE; RW LS; RW MW; RW MZ; RW SD; RW SL; RW SZ; RW TZ; RW UG; RW ZW; RW  
BF; RW BJ; RW CF; RW CG; RW CI; RW CM; RW GA; RW GN; RW GQ; RW GW; RW  
ML; RW MR; RW NE; RW SN; RW TD; RW TG  
PIT WOAI PCT-PUBLICATION  
PI WO 2002043681 A1 20020606  
OD 20020606

09702165

AI WO 2001-US44096 20011126  
PRAI US 2000-723459 20001128  
IC ICM A61K007-135  
ICS A61K007-021 A61K007-06 A01N065-00

L11 ANSWER 18 OF 33 PCTFULL COPYRIGHT 2002 Univentio  
AN 2002043681 PCTFULL ED 20020624 EW 200223  
TIEN ANTI-AGING **COSMETIC** COMPOSITION AND METHOD OF APPLICATION  
TIFR COMPOSITION COSMETIQUE ANTI-VIEILLISSEMENT ET PROCEDE D'APPLICATION  
IN MENON, Gopinathan, K.; MORELLI-ABRAMS, Isabella, L.  
PA AVON PRODUCTS, INC., for all designates States except US; MENON,  
Gopinathan, K.; MORELLI-ABRAMS, Isabella, L.  
AG RUGGIERO, Charles, N., J.  
LAF English  
LA English  
DT Patent  
PI WO 2002043681 A1 20020606  
DS AE AG AL AM AT AU ~~AA~~ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE ~~GH~~ GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG ~~MN~~ MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG US ~~UZ~~ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG  
ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE TR BF BJ CF CG ~~CI~~ CM GA GN GQ GW ML MR NE SN TD TG

AI WO 2001-US44096 A 20011126  
PRAI US 2000-09/723,459 20001128  
ICM A61K007-135  
ICS A61K007-021; A61K007-06; A01N065-00

L11 ANSWER 19 OF 33 USPATFULL  
AN 2002:258388 USPATFULL  
TI Method for slowing the decomposition of a **cosmetic** composition  
IN Zimmerman, Amy C., Grand Rapids, MI, UNITED STATES  
Harris, Ruth Elaine, Belmont, MI, UNITED STATES  
PA AMWAY CORPORATION (U.S. corporation)  
PI US 2002141955 A1 20021003  
AI US 2001-46415 A1 20011025 (10)  
RLI Division of Ser. No. US 2000-599235, filed on 22 Jun 2000, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 330  
INCL INCLM: 424/062.000  
INCLS: 424/732.000; 424/735.000; 424/736.000; 424/757.000; 424/758.000;  
424/683.000  
NCL NCLM: 424/062.000  
NCLS: 424/732.000; 424/735.000; 424/736.000; 424/757.000; 424/758.000;  
424/683.000  
IC [7]  
ICM: A61K035-78  
ICS: A61K033-12; A61K007-135; A61K007-035  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 20 OF 33 USPATFULL  
AN 2002:98929 USPATFULL  
TI Xanthine oxidase inhibitor and method for producing the same  
IN Unno, Tomonori, Shizuoka, JAPAN  
Sakane, Iwao, Shizuoka, JAPAN  
Kakuda, Takami, Shizuoka, JAPAN  
PA ITO EN, LTD. (non-U.S. corporation)  
PI US 2002051825 A1 20020502  
AI US 2001-13351 A1 20011213 (10)

09702165

RLI Division of Ser. No. US 2000-661568, filed on 14 Sep 2000, PENDING  
PRAI JP 1999-199998011 19990405  
DT Utility  
FS APPLICATION  
LN.CNT 366  
INCL INCLM: 424/725.000  
NCL NCLM: 424/725.000  
IC [7]  
ICM: A61K035-78

L11 ANSWER 21 OF 33 USPATFULL  
AN 2002:31997 USPATFULL  
TI Sugar decomposition inhibitor, digestive enzyme activity inhibitor,  
insulin secretion controller, and healthy food and beverage  
IN Suzuki, Yuko, Shizuoka, JAPAN  
Hayashi, Kazuhiko, Shizuoka, JAPAN  
Sakane, Iwao, Shizuoka, JAPAN  
Kakuda, Takami, Shizuoka, JAPAN  
PA ITO EN, LTD. (non-U.S. corporation)  
PI US 2002018818 A1 20020214  
AI US 2001-888448 A1 20010626 (9)  
PRAI JP 2000-194068 20000628  
DT Utility  
FS APPLICATION  
LN.CNT 744  
INCL INCLM: 424/725.000  
NCL NCLM: 424/725.000  
IC [7]  
ICM: A61K035-78

L11 ANSWER 22 OF 33 USPATFULL  
AN 2001:89171 USPATFULL  
TI Composition comprising theanine  
IN Ueda, Tomoko, Yokkaichi-shi, Japan  
Nagato, Yukiko, Yokkaichi-shi, Japan  
Tanaka, Yukiko, Yokkaichi-shi, Japan  
Okubo, Tsutomu, Yokkaichi-shi, Japan  
Kobayashi, Kanari, Yokkaichi-shi, Japan  
Aoi, Nobuyuki, Yokkaichi-shi, Japan  
Shu, Seiji, Yokkaichi-shi, Japan  
Juneja, Lekh Raj, Yokkaichi-shi, Japan  
PA Taiyo Kagaku Co., Ltd. (non-U.S. corporation)  
PI US 2001001307 A1 20010517  
AI US 2001-757586 A1 20010111 (9)  
RLI Division of Ser. No. US 2000-655336, filed on 5 Sep 2000, UNKNOWN  
PRAI JP 1998-57470 19980223  
JP 1998-142119 19980508  
JP 1998-234968 19980806  
JP 1998-330207 19981105  
DT Utility  
FS APPLICATION  
LN.CNT 944  
INCL INCLM: 514/563.000  
NCL NCLM: 514/563.000  
IC [7]  
ICM: A61K031-195

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 23 OF 33 USPATFULL  
AN 1999:141311 USPATFULL



09702165

TI **Skin** whitening composition containing bearberry extract and a  
reducing agent  
IN Leverett, Jesse C., Rockford, MI, United States  
Dornoff, Jeffrey M., Grand Rapids, MI, United States  
PA Amway Corporation, MI, United States (U.S. corporation)  
PI US 5980904 19991109  
AI US 1998-195577 19981118 (9)  
DT Utility  
FS Granted  
LN.CNT 496  
INCL INCLM: 424/195.100  
NCL NCLM: 424/725.000  
IC [6]  
ICM: A01N065-00  
EXF 424/195.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 24 OF 33 WPIDS (C) 2002 THOMSON DERWENT  
AN 2002-652102 [70] WPIDS  
DNC C2002-183470  
TI Maillard reaction inhibitor containing extract(s) of up to 27 plants with  
protein crosslinking breaking activity used for **cosmetics**, foods  
and drink preparations.  
DC B04 D13 D21  
PA (ICHP) ICHIMARU PHARCOS INC  
CYC 1  
PI JP 2002241299 A 20020828 (200270)\* 37p A61K035-78  
ADT JP 2002241299 A JP 2001-35047 20010213  
PRAI JP 2001-35047 20010213  
IC ICM A61K035-78  
ICS A21D002-36; A21D013-00; A21D013-08; A23G003-30; A23L001-272;  
A23L001-30; A23L001-317; A23L001-39; A23L002-38; A23L002-52;  
A61K007-00; A61K007-06; A61K007-42; A61K007-48; A61K007-50;  
A61P017-16

L11 ANSWER 25 OF 33 WPIDS (C) 2002 THOMSON DERWENT  
AN 2002-490262 [52] WPIDS  
DNC C2002-139250  
TI Composition useful in the prevention of wrinkling of **skin**  
comprises **crape myrtle** extract and a vehicle.  
DC B04 D21  
IN MENON, G K; MORELLI-ABRAMS, I L  
PA (AVON) AVON PROD. INC; (MENO-I) MENON G K; (MORE-I) MORELLI-ABRAMS I L  
CYC 96  
PI WO 2002043681 A1 20020606 (200252)\* EN 18p A61K007-135  
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ  
NL OA PT SD SE SI SZ TR TZ UG ZW  
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK  
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
AU 2002019858 A 20020611 (200264) A61K007-135  
ADT WO 2002043681 A1 WO 2001-US44096 20011126; AU 2002019858 A AU 2002-19858  
20011126  
FDT AU 2002019858 A Based on WO 200243681  
PRAI US 2000-723459 20001128  
IC ICM A61K007-135  
ICS A01N065-00; A61K007-021; A61K007-06

L11 ANSWER 26 OF 33 WPIDS (C) 2002 THOMSON DERWENT

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AN 2002-197394 [26] WPIDS  
DNC C2002-061167  
TI Sugar decomposition inhibitor useful as, e.g. medicines, quasi drugs, foods and healthy beverages or feeds, comprises hot-water extract of **banaba**.  
DC A97 D13  
IN HAYASHI, K; KAKUDA, T; SAKANE, I; SUZUKI, Y  
PA (ITOE-N) ITO EN LTD  
CYC 28  
PI EP 1166790 A1 20020102 (200226)\* EN 21p A61K035-78  
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR  
JP 2002012547 A 20020115 (200226) 12p A61K035-78  
US 2002018818 A1 20020214 (200226) A61K035-78  
ADT EP 1166790 A1 EP 2001-115510 20010627; JP 2002012547 A JP 2000-194068 20000628; US 2002018818 A1 US 2001-888448 20010626  
PRAI JP 2000-194068 20000628  
IC ICM A61K035-78  
ICS A23L001-30; A23L001-48; A23L002-00; A23L002-02; A23L002-38; A23L002-52; A61P003-08; A61P043-00; C12N009-99

L11 ANSWER 27 OF 33 WPIDS (C) 2002 THOMSON DERWENT  
AN 2001-294526 [31] WPIDS  
DNC C2001-090853  
TI Histamine release inhibitor for use in dentifrices, comprises a mixture of extract obtained from **Lagerstroemia speciosa**, *Quercus phillyraeoides*, wattle bark, keburako and/or certain water chestnut fruits.  
DC B04 D21  
PA (MIKI-N) MIKIMOTO SEIYAKU KK  
CYC 1  
PI JP 2001048766 A 20010220 (200131)\* 6p A61K007-48  
ADT JP 2001048766 A JP 1999-219190 19990802  
PRAI JP 1999-219190 19990802  
IC ICM A61K007-48  
ICS A61K007-00; A61K035-78; A61P037-08; A61P043-00

L11 ANSWER 28 OF 33 WPIDS (C) 2002 THOMSON DERWENT  
AN 2001-127323 [14] WPIDS  
DNC C2001-037356  
TI Xanthine oxidase inhibitor for preventing or treating hyperuricemia such as gout and encephalopathy, comprises a component extracted from a **Lagerstroemia speciosa** plant as active ingredient.  
DC B04  
IN KAKUDA, T; SAKANE, I; UNNO, T  
PA (ITOE-N) ITO EN LTD  
CYC 2  
PI JP 2000290188 A 20001017 (200114)\* 7p A61K035-78  
US 2002051825 A1 20020502 (200234) A61K035-78  
ADT JP 2000290188 A JP 1999-98011 19990405; US 2002051825 A1 Div ex US 2000-661568 20000914, US 2001-13351 20011213  
PRAI JP 1999-98011 19990405  
IC ICM A61K035-78  
ICS A61K031-34; A61K031-35; A61K031-366; A61P019-06; A61P043-00

L11 ANSWER 29 OF 33 WPIDS (C) 2002 THOMSON DERWENT  
AN 2000-266514 [23] WPIDS  
DNC C2000-081403  
TI Elastase inhibitor for maintaining elastic texture and youthfulness of **skin**, comprises mixed extracts of gauva leaf,

**lagerstroemia speciosa** leaf, jelly fig fruits and/or jatoba fruit **skin**.

DC B04 D21  
PA (MIKI-N) MIKIMOTO SEIYAKU KK  
CYC 1  
PI JP 2000072649 A 20000307 (200023)\* 6p A61K007-48  
ADT JP 2000072649 A JP 1998-244795 19980831  
PRAI JP 1998-244795 19980831  
IC ICM A61K007-48  
ICS A61K007-00; A61K035-78

L11 ANSWER 30 OF 33 WPIDS (C) 2002 THOMSON DERWENT  
AN 1998-343568 [30] WPIDS  
DNC C1998-106129  
TI Antioxidant used in foods, **cosmetics** and medicines - comprises raw extract obtained by extracting leaves of *Lagerstroemia speciosa* L. with hot water and/or organic solvent.

DC B04 D13 D21  
PA (ITOE-N) ITOEN KK  
CYC 1  
PI JP 10130644 A 19980519 (199830)\* 4p C09K015-34  
ADT JP 10130644 A JP 1996-291904 19961101  
PRAI JP 1996-291904 19961101  
IC ICM C09K015-34  
ICS A23L001-30; A61K007-00; A61K035-78

L11 ANSWER 31 OF 33 WPIDS (C) 2002 THOMSON DERWENT  
AN 1996-045316 [05] WPIDS  
DNC C1996-015009  
TI Inhibitor of degradation of muco-polysaccharide, active oxygen inactivator and **cosmetics** - comprise super-oxide dismutase-like active oxygen removers obtd. from extract of flower petals.

DC B04 D21  
PA (NARI-N) NARISU KESHOHIN KK  
CYC 1  
PI JP 07309770 A 19951128 (199605)\* 11p A61K035-78  
ADT JP 07309770 A JP 1994-131057 19940520  
PRAI JP 1994-131057 19940520  
IC ICM A61K035-78  
ICS A61K007-00; A61K007-06; A61K007-48

L11 ANSWER 32 OF 33 WPIDS (C) 2002 THOMSON DERWENT  
AN 1995-252224 [33] WPIDS  
DNC C1995-115178  
TI **Cosmetic** material having good **skin**-moisturising effect - consists of compounded mixt. of cholesteric liq. crystal and one or more of e.g. Piper longum, P. chaba etc..

DC D21  
PA (MIKI-N) MIKIMOTO SEIYAKU KK  
CYC 1  
PI JP 07157420 A 19950620 (199533)\* 19p A61K007-48  
ADT JP 07157420 A JP 1993-342164 19931201  
PRAI JP 1993-342164 19931201  
IC ICM A61K007-48

L11 ANSWER 33 OF 33 WPIDS (C) 2002 THOMSON DERWENT  
AN 1995-212864 [28] WPIDS  
DNC C1995-098284  
TI **Cosmetic** for whitening **skin** - contg. extracts of *Lagerstroemia speciosa*.

09702165

DC B04 D16 D21

PA (MIKI-N) MIKIMOTO SEIYAKU KK; (NANB-I) NANBA T

CYC 1

JP 07126143 A 19950516 (199528)\* 7p A61K007-48

JP 3235922 B2 20011204 (200203) 7p A61K007-48

ADT JP 07126143 A JP 1993-276905 19931105; JP 3235922 B2 JP 1993-276905  
19931105

FDT JP 3235922 B2 Previous Publ. JP 07126143

PRAI JP 1993-276905 19931105

IC ICM A61K007-48

ICS A61K035-78

ICA C12N009-99

=>

NOVELTY - A elastase inhibitor comprises mixed extracts of gauva leaves Lagerstroemia speciosa leaves, jelly fig fruits and/or skin of jatoba fruit.

USE - Elastase inhibitor is used for applying on the skin to maintain elastic texture and youthfulness of the skin. ACTIVITY - Dermatological.

MECHANISM OF ACTION - Inhibits elastase. Elastase inhibitor (I) (0.1 ml) containing extracts of 10 g of jelly figs (with final concentration of 0.033%) was tested for elastase inhibition using elastase (3U) obtained from pig pancrease. The elastase inhibition rate of (I) was measured to be 86.0%.

ADVANTAGE - Elastase inhibitor is very effective and safe which reduces wrinkles and provides glow to the skin.  
Dwg.0/0

L5 ANSWER 46 OF 50 WPIDS COPYRIGHT 2000 DERWENT INFORMATION LTD  
ACCESSION NUMBER: 1999-029030 [03] WPIDS  
DOC. NO. CPI: C1999-009292  
TITLE: Active oxygen free radical scavenging agent useful for preventing inflammation, carcinogenesis etc. - containing an extract of Lagerstroemia speciosa L..  
DERWENT CLASS: A96 B04  
PATENT ASSIGNEE(S): (ITOE-N) ITOEN KK  
COUNTRY COUNT: 1  
PATENT INFORMATION:

| PATENT NO   | KIND | DATE     | WEEK      | LA | PG |
|-------------|------|----------|-----------|----|----|
| JP 10291935 | A    | 19981104 | (199903)* |    | 5  |

APPLICATION DETAILS:

| PATENT NO   | KIND | APPLICATION    | DATE     |
|-------------|------|----------------|----------|
| JP 10291935 | A    | JP 1997-104403 | 19970422 |

PRIORITY APPLN. INFO: JP 1997-104403 19970422

AN 1999-029030 [03] WPIDS

AB JP 10291935 A UPAB: 19990122

An agent for extinguishing active oxygen free radical containing an extract of leaves of Lagerstroemia speciosa L. is claimed.

Vitamine C or E is preferably added to the agent.

Preferably the leaves of Lagerstroemia speciosa L. are extracted with hot water and/or organic solvent. The essential component in the crude extract is collected by absorption on styrene-divinyl benzene resin or dextran resin.

ADVANTAGE - The present agent reduces active oxygen free radical in human body, resulting in prevention of inflammation, aging, carcinogenesis, and cardiac infarction.

Dwg.0/2

L5 ANSWER 47 OF 50 WPIDS COPYRIGHT 2000 DERWENT INFORMATION LTD  
ACCESSION NUMBER: 1995-252224 [33] WPIDS  
DOC. NO. CPI: C1995-115178  
TITLE: Cosmetic material having good skin-moisturising effect - consists of compounded mixt. of cholesteric liq. crystal and one or more of e.g. Piper longum, P. chaba etc..  
DERWENT CLASS: D21  
PATENT ASSIGNEE(S): (MIKI-N) MIKIMOTO SEIYAKU KK

(health candies contg. calcium and Lagerstroemia indica leaves for control of)

IT Confectionery

(candy, health candies contg. calcium and Lagerstroemia indica leaves)

IT 7440-70-2, Calcium, biological studies

RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses)

(health candies contg. calcium and Lagerstroemia indica leaves)

ANSWER-5 CAPLUS COPYRIGHT 1999 ACS

AN 1995:769924 CAPLUS

DN 123:152599

TI **Skin-lightening cosmetics containing cholesteric liquid crystals and plant extracts**

IN Ueda, Kyosuke; Shimomura, Kenji

PA Mikimoto Seiyaku Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 19 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-48

ICS A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 11

PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 07157420 A2 19950620 JP 1993-342164 19931201

AB Skin-lightening cosmetics contain cholesteric liq. crystals and exts. of plants such as Adhatoda vasica. A cosmetic compn. contained cholesteryl 12-hydroxystearate 3.0, cholesteryl heptanoate 3.0, cholesteryl oleate 2.0, cholesteryl butyrate 1.0, A. vasica ext. 1.0, neutralized 1% carboxyvinyl polymer 1.0, 1,3-butylene glycol 7.0, and preservatives 0.1 wt. parts. ~~The compns. showed moisturizing, antioxidant, and hyaluronidase-inhibiting activities.~~

ST skin lightening cosmetic cholesteric liq crystal; plant ext liq crystal cosmetic

IT Cajuput

Cardiospermum halicacabum

Champac

Cymbopogon nardus

Desmodium gangeticum

Hemidesmus indicus

(skin-lightening cosmetics contg. cholesteric liq. crystals and plant extracts)

~~IT Lagerstroemia speciosa~~

Malabar nut

Margosa

Murraya koenigii

Plant

Smilax zeylanica

Sphaeranthus indicus

Tinospora cordifolia

L5 ANSWER 39 OF 50 JAPIO COPYRIGHT 2000 JPO  
ACCESSION NUMBER: 1995-157420 JAPIO  
TITLE: COSMETIC  
INVENTOR: UEDA KIYOSUKE; SHIMOMURA KENJI  
PATENT ASSIGNEE(S): MIKIMOTO PHARMACEUT CO LTD, JP (CO 470806)  
PATENT INFORMATION:

(4)

| PATENT NO   | KIND | DATE     | ERA    | MAIN IPC       |
|-------------|------|----------|--------|----------------|
| JP 07157420 | A    | 19950620 | Heisei | (6) A61K007-48 |

JP  
APPLICATION INFORMATION

ST19N FORMAT: JP1993-342164 19931201  
ORIGINAL: JP05342164 Heisei  
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined  
Applications, Vol. 95, No. 6

AN 1995-157420 JAPIO

AB PURPOSE: To obtain a cosmetic having effectiveness capable of being provided with improved whitening, antioxidation and hyaluronidase activity inhibiting effect in addition to an advantage in appearance and an improved moist holding property by cholesteric liquid crystals.  
CONSTITUTION: This cosmetic comprises a cholesteric liquid crystal compounded with .gtoreq.1 extract of Adhatoda vasica, Lagerstroemia speciosa, Woodfordia fruticosa, Cymbopogon nardus, Cardiospermum halicacabum, Vetiveria zizanoides, Piper longum, Michelia champaca, Hemidesmus indicus, Piper chaba, Tinospora cordifolia, Melaleuca leucadendron, Azadirachdt indica, Murraya koenigii, Sphaeranthus indicus, Phyllanthus nuriri, Desmodium gangeticum and Smilax zeylanica. The liquid crystal or an effective component of the extract can be uniformly coated on a skin by making the liquid crystal to an aerosol and this cosmetic can be discriminated from other ones even in its appearance.

L5 ANSWER 40 OF 50 JAPIO COPYRIGHT 2000 JPO  
ACCESSION NUMBER: 1995-138135 JAPIO  
TITLE: 5ALPHA-REDUCTASE INHIBITOR  
INVENTOR: NANBA TSUNEO; HATTORI YUKIO; SHIMOMURA KENJI; YAMABE YUKIHISA; IIDA KOICHI  
PATENT ASSIGNEE(S): MIKIMOTO PHARMACEUT CO LTD, JP (CO 470806)  
NANBA TSUNEO, JP (IN)  
PATENT INFORMATION:

(5)

| PATENT NO   | KIND | DATE     | ERA    | MAIN IPC       |
|-------------|------|----------|--------|----------------|
| JP 07138135 | A    | 19950530 | Heisei | (6) A61K007-06 |

JP  
APPLICATION INFORMATION

ST19N FORMAT: JP1993-288451 19931117  
ORIGINAL: JP05288451 Heisei  
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined  
Applications, Vol. 95, No. 5

AN 1995-138135 JAPIO

AB PURPOSE: To provide a 5.alpha.-reductase inhibitor safely applicable to the skin, having high 5.alpha.-reductase inhibiting action and effective for hair-growing.  
CONSTITUTION: This 5.alpha.-reductase inhibitor contains a solvent extract of at least one kind of plant selected from Sumilax zeylanica, Phyllanthus nuriri, Woodfordia fruticosa, Lagerstroemia speciosa and Cymbopogon nardus. The extraction solvent is water or a hydrophilic organic solvent (e.g. ethanol, methanol or acetone) and especially preferably water,

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L6 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:436112 CAPLUS

DOCUMENT NUMBER: 127:55651

TITLE: **Cosmetic** compositions containing a **myrtle** extract and antifungal agents

INVENTOR(S): Lagarde, Isabelle; Jeanjean, Michel; Fabre, Bernard

PATENT ASSIGNEE(S): Pierre Fabre Dermo-Cosmetique, Fr.

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE       |
|---|------|----------|-----------------|------------|
| WO 9718823  | A1   | 19970529 | WO 1996-FR1796  | 19961114   |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE    |      |          |                 |            |
| FR 2741265  | A1   | 19970523 | FR 1995-13640   | 19951117   |
| FR 2741265  | B1   | 19981231 |                 |            |
| EP 866715   | A1   | 19980930 | EP 1996-939117  | 19961114   |
| EP 866715   | B1   | 20020717 |                 |            |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI |      |          |                 |            |
| AT 220552   | E    | 20020815 | AT 1996-939117  | 19961114   |
| PRIORITY APPLN. INFO.:  |      |          |                 |            |
|   |      |          | FR 1995-13640   | A 19951117 |
|   |      |          | WO 1996-FR1796  | W 19961114 |

AB A dermatol. and/or **cosmetic** compn. contg. a **myrtle** ext. combined with an antifungal agent is disclosed. Thus, 1 kg of dried leaves of **myrtle** was extd. with 10 kg methanol for 12 h, the soln. was then concd. and dried. to obtain a powder contg. 30-40% polyphenols and 3-4% flavonoids. A shampoo contained **myrtle** ext. 5, salicylic acid 1, sodium alkylether sulfate 10, cocamidopropyl betaine 3, fatty acid diethanolamide 1, clove oil 0.05, piroctone-olamine 0.80, lauramine oxide 0.3, myristamine oxide 0.5 g, and water q.s. 100 mL.



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L6 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:333866 CAPLUS

DOCUMENT NUMBER: 129:4028

TITLE: Food, **cosmetic**, and pharmaceutical  
antioxidants derived from **Lagerstroemia**  
leaves

INVENTOR(S): Umino, Tomonori; Sakane, Iwao; Sumida, Takami

PATENT ASSIGNEE(S): Itoen K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.             | KIND  | DATE     | APPLICATION NO. | DATE     |
|------------------------|---|----------|-----------------|----------|
| -----                  | -----   | -----    | -----           | -----    |
| JP 10130644            | A2  | 19980519 | JP 1996-291904  | 19961101 |
| PRIORITY APPLN. INFO.: |   |          | JP 1996-291904  | 19961101 |
| AB                     | The low-cost and effective antioxidants are easily available by extg.<br><b>Lagerstroemia</b> leaves with hot water and/or org. solvents and<br>adsorbing the crude ext. into a styrene-divinylbenzene type resin or<br>dextran type resin. |          |                 |          |

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L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:769924 CAPLUS

DOCUMENT NUMBER: 123:152599

TITLE: **Skin-lightening cosmetics**  
containing cholesteric liquid crystals and plant  
extracts

INVENTOR(S): Ueda, Kyosuke; Shimomura, Kenji

PATENT ASSIGNEE(S): Mikimoto Seiyaku Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|-------------|------|----------|-----------------|----------|
| -----       | ---- | -----    | -----           | -----    |
| JP 07157420 | A2   | 19950620 | JP 1993-342164  | 19931201 |

AB **Skin-lightening cosmetics** contain cholesteric liq.  
crystals and exts. of plants such as Adhatoda vasica. A **cosmetic**  
compn. contained cholesteryl 12-hydroxystearate 3.0, cholesteryl  
heptanoate 3.0, cholesteryl oleate 2.0, cholesteryl butyrate 1.0, A.  
vasica ext. 1.0, neutralized 1% carboxyvinyl polymer 1.0, 1,3-butylene  
glycol 7.0, and preservatives 0.1 wt. parts. The compns. showed  
moisturizing, antioxidant, and hyarulonidase-inhibiting activities.

**speciosa** detd. by GS-MS)

IT 1732-10-1, Nonanedioic acid, dimethyl ester 4648-28-6 5129-61-3

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); PRP (Properties); BIOL (Biological study); OCCU (Occurrence)

(antibacterial components of seeds from **Lagerstroemia**

**speciosa** detd. by GS-MS)

ANSWER 3 CAPLUS COPYRIGHT 1999 ACS

AN 1997:587626 CAPLUS

DN 127:239111

TI **Antiobesity agents, .alpha.-amylase inhibitors, lipase inhibitors, foods, and beverages containing plant extracts**

IN Hashimoto, Masao; Nakajima, Yoshiaki

PA Zeria Pharmaceutical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

PT **Patent**

LA Japanese

IC ICM A61K035-78

ICS A61K035-78; A23L001-30; C12N009-99

CC 63-4 (Pharmaceuticals)

Section cross-reference(s): 1, 11, 17

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 09227398 A2 19970902 JP 1996-55402 19960220

AB Antiobesity agents, .alpha.-amylase inhibitors, and lipase inhibitors contain exts. of plants selected from grape seed, kaki (Japanese persimmon) leaf, Pu-erh tea, Hypericum erectum, apple, Aralia elata, Quercus stenophylla, **Lagerstroemia speciosa** leaf, Mallotus japonicus, Cornus officinalis, Terminalia chebula, and Eucommia ulmoides leaf as active ingredients. Foods and beverages contg. plant exts. selected from grape seed, H. erectum, A. elata, Q. stenophylla, M. japonicus, C. officinalis, and T. chebula are also claimed. Grape seed Me2CO ext. (at 0.012 mg) showed 50% inhibition of human saliva .alpha.-amylase in 20 mL of a sample soln. contg. potato starch. The ext. also inhibited pancreatic .alpha.-amylase and lipase.

ST antiobesity amylase lipase inhibitor plant ext; grape seed ext antiobesity amylase inhibitor; kaki Puerh tea Hypericum ext antiobesity; apple Aralia Quercus Lagerstroemia ext antiobesity; Mallotus Cornus Terminalia Eucommia ext antiobesity

IT Tea (beverage)

(Pu-erh; antiobesity agents, .alpha.-amylase inhibitors, lipase inhibitors, foods, and beverages contg. plant exts.)

IT Antiobesity agents

Beverages

Food

(antiobesity agents, .alpha.-amylase inhibitors, lipase inhibitors, foods, and beverages contg. plant exts.)

IT Apple

Aralia elata

2

Dogwood (*Cornus officinalis*)  
Mallotus japonicus  
Oak (*Quercus salicina*)  
St.-John's-wort (*Hypericum erectum*)  
Terminalia chebula  
(exts.; antiobesity agents, .alpha.-amylase inhibitors, lipase  
inhibitors, foods, and beverages contg. plant exts.)

IT Digestive enzymes

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)  
(inhibitors; antiobesity agents, .alpha.-amylase inhibitors, lipase  
inhibitors, foods, and beverages contg. plant exts.)

IT Eucommia ulmoides

**Lagerstroemia speciosa**

Persimmon (*Diospyros kaki*)

(leaf exts.; antiobesity agents, .alpha.-amylase inhibitors, lipase  
inhibitors, foods, and beverages contg. plant exts.)

IT Grape

(seed exts.; antiobesity agents, .alpha.-amylase inhibitors, lipase  
inhibitors, foods, and beverages contg. plant exts.)

IT 9000-90-2, .alpha.-Amylase 9001-62-1, Lipase

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)  
(antiobesity agents, .alpha.-amylase inhibitors, lipase inhibitors,  
foods, and beverages contg. plant exts.)

ANSWER 4 CAPLUS COPYRIGHT 1999 ACS

AN 1996:521031 CAPLUS

DN 125:166280

TI Health candies containing calcium and Lagerstroemia Indica leaves

IN Yamada, Noboru; Moryama, Juzo; Tamura, Akio

PA Yamada Noboru, Japan; Shinzan Kk

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DI Patent

LA Japanese

IC ICM A23G003-00

ICS A61K033-10; A61K035-78

CC 17-14 (Food and Feed Chemistry)

Section cross-reference(s): 63

PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 08154586 A2 19960618 JP 1994-331455 19941212  
JP 2922805 B2 19990726

AB A candy contains *L. indica* leaves and optionally .gtoreq. 1 additive  
selected from the group comprising Ca, sweeteners, acids, herbs, and spice  
sugars. The candy is useful for controlling hyperglycemia.

ST antihyperglycemia candy Lagerstroemia leaf calcium

IT Grape myrtle

(health candies contg. calcium and Lagerstroemia indica leaves)

IT Hyperglycemia

3

Woodfordia fruticosa

(skin-lightening cosmetics contg. cholesteric liq. crystals and plant extracts)

IT Pepper (Piper)

(P. chaba, skin-lightening cosmetics contg. cholesteric liq. Crystals and plant extracts)

IT Pepper (Piper)

(P. longum, skin-lightening cosmetics contg. cholesteric liq. Crystals and plant extracts)

IT Liquid crystals

(cholesteric, skin-lightening cosmetics contg. cholesteric liq. crystals and plant extracts)

IT Cosmetics

(skin-lightening, skin-lightening cosmetics contg. cholesteric liq. crystals and plant extracts)

IT 303-43-5, Cholesteryl oleate 521-13-1, Cholesteryl butyrate 1182-07-6,

Cholesteryl heptanoate 40445-72-5, Cholesteryl 12-hydroxystearate

RL: BAC (Biological activity or effector, except adverse); BUU (Biological

use, unclassified); BIOL (Biological study); USES (Uses)

(skin-lightening cosmetics contg. cholesteric liq. crystals and plant extracts)

ANSWER 6 CAPLUS. COPYRIGHT 1999 ACS

AN 1995:741106 CAPLUS

DN 123:122732

TI hair tonics containing 5.alpha.-reductase inhibitor from plants

IN Nanba, Tsuneo; Hatsutori, Yukio; Shimomura, Kenji; Yamabe, Yukihiisa; Iida, Koichi

PA Mikimoto Seiyaku Kk, Japan; Nanba Tsuneo

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-06

ICS A61K007-00; A61K035-78

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 11

PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 07138135 A2 19950530 JP 1993-288451 19931117

AB Hair tonics contain 5.alpha.-reductase inhibitor from plants (such as Smilax zeylanica and Phyllanthus niruri). A lotion contained olive oil 0.5, the plant ext. 0.5, polyoxyethylene sorbitan monostearate 2.0, ethoxylated castor oil 2.0, ethanol 30.0, 1% Na hyaluronate 5.0, and purified water 60.0%. The preps. were highly effective.

ST hair tonic reductase inhibitor plant

IT Cymbopogon nardus

Lagerstroemia speciosa

Phyllanthus niruri

Plant

Smilax zeylanica

Woodfordia fruticosa

(hair tonics contg. 5.alpha.-reductase inhibitor from plants)

IT Hair preparations

(growth stimulants, hair tonics contg. 5.alpha.-reductase inhibitor from plants)

IT Hair preparations

(tonics, hair tonics contg. 5.alpha.-reductase inhibitor from plants)

IT 9081-34-9, 5.alpha.-Reductase

RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(inhibitors; hair tonics contg. 5.alpha.-reductase inhibitor from plants)

ANSWER 7 CAPLUS COPYRIGHT 1999 ACS

AN 1984:489768 CAPLUS

DN 101:89768

TI Trace element fertilizer composition

IN Cohen, Michael A.; Eirich, Luther A.

PA Scott, O. M., and Sons Co., USA

SO U.S., 5 pp.

CODEN: USXXAM

DT Patent

LA English

IC C05F011-02

NCL 071024000

CC 19-6 (Fertilizers, Soils, and Plant Nutrition)

Section cross-reference(s): 49

PATENT NO.    KIND    DATE    APPLICATION NO.    DATE

PI US 4455161    A    19840619    US 1982-417528    19820913

AB A slow-release particulate fertilizer, esp. suitable for soilless media for container-grown ornamentals, comprises salts or oxides of Fe, Mn, Zn, and Cu and gypsum [13397-24-5] as carrier. Thus, 1/2 lb of a trace element package contg. FeSO<sub>4</sub> 2.72, MnSO<sub>4</sub> 1.36, ZnSO<sub>4</sub> 1.36, and CuO 1.36% was premixed with 2.5 lb gypsum. The mixt. was compacted as it passed between counter-rotating rolls under pressures of 1200-1600 lb/linear in. The sheet formed was milled and screened through 6 and 14 mesh screens. Rhododendron plants grown on bark, sand, and peat medium were of better quality when fertilized with this product than when given fritted trace elements with the same carrier and application rates (4 and 16 oz/yd<sup>2</sup>).

ST trace element fertilizer gypsum carrier; ornamental plant trace element fertilizer

IT Abelia

Buxus

Crape myrtle

Euonymus

Gardenia jasminoides

Ilex

Nandina domestica

Photinia fraseri

Pieris (plant)

Pittosporum

Podocarpus

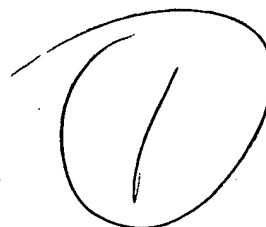
Rhododendron

(fertilizer expt. with, with trace elements in soilless potting media)

IT Trace elements

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(fertilizers, slow-release, with gypsum carrier)



- IT Plant nutrition  
(mineral, of ornamental plants, trace element fertilizer with gypsum carrier effect on)
- IT Fertilizer experiment  
(with trace elements, with ornamental plants in soilless potting media)
- IT Fertilizers  
RL: BIOL (Biological study)  
(trace element, slow-release, with gypsum carrier)
- 
- IT 13397-24-5, biological studies  
RL: BIOL (Biological study)  
(fertilizer carrier, for trace elements)
- IT 1317-38-0, biological studies 7439-89-6D, oxides and salts 7439-96-5D, oxides and salts 7440-66-6D, oxides and salts 7720-78-7 7733-02-0 7785-87-7  
RL: BIOL (Biological study)  
(fertilizer manuf. with gypsum and)
- IT 7440-50-8D, oxides and salts  
RL: OCCU (Occurrence)  
(fertilizer manuf. with gypsum and)
- IT 7439-89-6, biological studies 7439-96-5, biological studies 7439-98-7, biological studies 7440-50-8, biological studies 7440-66-6, biological studies  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(fertilizers, slow-release, with gypsum carrier)
- IT 7440-70-2, biological studies  
RL: BIOL (Biological study)  
(of ornamental plants, response to trace element fertilizer with gypsum carrier in relation to)

ANSWER 8 CAPLUS COPYRIGHT 1999 ACS

AN 1978:86305 CAPLUS

DN 88:86305

TI **Extraction of cryogenine**

IN Fujita, Eiichi; Fuji, Kaoru; Murata, Hiroyuki

PA Nippon Shinyaku Co., Ltd., Japan

SO Japan. Kokai, 3 pp.

CODEN: JKXXAF

DT **Patent**

LA Japanese

IC A61K031-435

CC 11-1 (Plant Biochemistry)

Section cross-reference(s): 31

PATENT NO.      KIND DATE      APPLICATION NO. DATE

PI JP 52082711      A2 19770711      JP 1975-157426 19751229

JP 55006638      B4 19800218

AB The alkaloid cryogenine (I) is isolated from Lagerstroemia subcostata and L. fauriei. Thus, 2.4 kg of dried L. subcostata leaves was extd. with MeOH, the MeOH ext. was concd. to syrup and extd. with 5% HCl. The HCl ext. was adjusted to a weakly alk. pH and extd. with methylene dichloride. The ext. was evapd. to dryness and crystd. with CHCl<sub>3</sub> to obtain 4.68 g I.

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*n.t good date*

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:823303 CAPLUS

DOCUMENT NUMBER: 135:348755

TITLE: **Skin** compositions containing conchiolin hydrolyzates and plant **extracts**

INVENTOR(S): Shimomura, Kenji; Hattori, Fumihiro

PATENT ASSIGNEE(S): Mikimoto Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. --- | KIND | DATE     | APPLICATION NO. | DATE     |
|----------------|------|----------|-----------------|----------|
| JP 2001316239  | A2   | 20011113 | JP 2000-136952  | 20000510 |

AB The invention relates to a **skin** compn. having **skin** -lightening and rough **skin**-improving effects, wherein the compn. contains conchiolin hydrolyzate or reaction product of conchiolin hydrolyzate with succinic acid anhydride, and at least one plant **ext.** The plant **ext.** is selected from a group consisting of Ficus awkeotsang, Trapa natans, Rhodiolarosea, Hymenaea courbaril, Pyrrosia lingua, Machilus thunbergii bark, Machilus japonica bark, Agrimonia eupatoria, Mucuna birdwoodiana stem, Millettia nitida stem, Millettia dielsiana stem, Mucuna birdwoodiana stem, Millettia nitida stem, Millettia dielsiana stem, Rheum officinale, animal glue, Quercus stenophylla leaves, Fritillaria thunbergii, Fraxinus bark, Saraca indica bark, Mimosa elengi leaves and bark, Eugenia jambolana bark, Eugenia caryophyllata, Syzygium aromaticum, Carthamus tinctorius blossom, Sophora flavescens root, Sophora flavescens root, Psidium guajava, Cudrania cochinchinensis root, Tamarix chinensis shoot, Adhatoda vasica, **Lagerstroemia** speciosa leaves, Woodfordia fruticosa blossom, Azadirachta indica bark, Phyllanthus niruri, Cymbopogon nardus root stem, Desmodium gangeticum, Cardiospermum halicacabum, Murraya koenigii stem, Smilax zeylanica root, Vetiveria zizanioides root, Hemidesmus indicus root, Piper longum root, Piper chaba root, Tinospora cordifolia branch, Michelia champaca blossom, Melaleuca leucadendron bark, Sphaeranthus indicus, Mangifera quadrifida, Aspalathus linealis leaves, Aspalathus cedarbergensis leaves, Quisqualis indica fruit, Cassia seed, and Cassia nomame.



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L6 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:371889 CAPLUS

DOCUMENT NUMBER: 132:339046

TITLE: Standard **myrtle** extract containing  
myrtucommulone B, its preparation method, and its use  
in dermatology and cosmetology

INVENTOR(S): Puybaret, Christine; David, Bruno; Charveron, Marie;  
Mamatas, Stylianos

PATENT ASSIGNEE(S): Pierre Fabre Dermo-Cosmetique S. A., Fr.

SOURCE: Fr. Demande, 24 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE       |
|--|------|----------|-----------------|------------|
| FR 2783425   | A1   | 20000324 | FR 1998-11619   | 19980917   |
| FR 2783425   | B1   | 20020607 |                 |            |
| EP 1112079   | A1   | 20010704 | EP 1999-942972  | 19990915   |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, FI |      |          |                 |            |
| AT 216252  | E    | 20020515 | AT 1999-942972  | 19990915   |
| ES 2176021   | T3   | 20021116 | ES 1999-942972  | 19990915   |
| PRIORITY APPLN. INFO.:   |      |          | FR 1998-11619   | A 19980917 |
|  |      |          | WO 1999-FR2189  | W 19990915 |

AB Ext. of aerial parts of **myrtle** is used in **cosmetic** and  
dermatol. compns. for the treatment of psoriatic disorders. The ext. has  
anti-inflammatory, antiproliferative, and antibacterial activity against  
psoriasis. An alc. ext. of **myrtle** was prepd. contg. 6.6%  
myrtucommulone B. A lotion contained fragrance 0.20, vinyl  
acetate-crotonic acid copolymer 0.15, PEG-13 octanoate 0.10,  
laurylpyridinium chloride 0.05, **myrtle** ext. 0.1-1 g, SD alc.  
39-C 63, and water 100 mL.

131 Dec gets  
behind date

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L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:185567 CAPLUS

DOCUMENT NUMBER: 134:242647

TITLE: Compositions containing ursolic acid and methods for modification of **skin** lipid content

INVENTOR(S): Brown, David A.; Yarosh, Daniel B.

PATENT ASSIGNEE(S): Applied Genetics Incorporated Dermatics, USA

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|--|------|----------|-----------------|----------|
| WO 2001017523  | A1   | 20010315 | WO 2000-US24659 | 20000908 |
| W: AU, CA, CN, IL, JP, KR, US  |      |          |                 |          |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE |      |          |                 |          |

PRIORITY APPLN. INFO.: US 1999-153378P P 19990910

AB The **topical** use of ursolic acid compds. to alter the lipid content of mammalian **skin** is disclosed. The compds. can be encapsulated in liposomes and administered in this form to the **skin** in, for example, a lotion or a gel. The compds. are effective in, among other things, reducing the effects of aging, photoaging, and **skin** atrophy, including **skin** atrophy resulting from the **topical** use of retinoids and/or steroids. Compns. comprising a ursolic acid compd. in combination with another therapeutically active **topical** compds., such as, a retinoid or a steroid, are also disclosed.

COUNTRY COUNT: 1  
PATENT INFORMATION:

| PATENT NO   | KIND | DATE     | WEEK      | LA | PG |
|-------------|------|----------|-----------|----|----|
| JP 07157420 | A    | 19950620 | (199533)* |    | 19 |

APPLICATION DETAILS:

| PATENT NO   | KIND | APPLICATION    | DATE     |
|-------------|------|----------------|----------|
| JP 07157420 | A    | JP 1993-342164 | 19931201 |

PRIORITY APPLN. INFO: JP 1993-342164 19931201

AN 1995-252224 [33] WPIDS

AB JP 07157420 A UPAB: 19950824

Cholesteric liquid crystal and one or more of Adhatoda vasica, Lagerstroemia speciosa, Woodfordia fruticosa, Cymbopogon nardus, Cardiospermum halicacabum, Vetiveria zizancoides, Piper longum, Michelia champaca, Hemidesmus indicus, Piper chaba, Tinospora cordifolia, Melaleuca leucadendron, Azadirachtd indica, Murraya koenigii, Sphaeranthus indicus, Phyllanthus nuriri, Desmodium gangeticum and Smilax zeylanica are compounded.

~~ADVANTAGE: Material has good appearance and skin moisturising effect. Skin whitening, anti-oxidn. and hyaluronidase activity inhibition are also obtd.~~

Dwg. 0/0

L5 ANSWER 48 OF 50 WPIDS COPYRIGHT 2000 DERWENT INFORMATION LTD

ACCESSION NUMBER: 1995-228598 [30] WPIDS

DOC. NO. CPI: C1995-105296

TITLE: 5-Alpha-reductase inhibitors used as lotions to promote hair growth - contain plant extracts of Smilax zeylanica, phyllanthus nuriri, Woodfordia fruticosa, Lagerstroemia speciosa and/or Cymbopogon nardus..

DERWENT CLASS: B04 D21

PATENT ASSIGNEE(S): (MIKI-N) MIKIMOTO SEIYAKU KK; (NANB-I) NANBA T

COUNTRY COUNT: 1

PATENT INFORMATION:

| PATENT NO   | KIND | DATE     | WEEK      | LA | PG |
|-------------|------|----------|-----------|----|----|
| JP 07138135 | A    | 19950530 | (199530)* |    | 5  |

APPLICATION DETAILS:

| PATENT NO   | KIND | APPLICATION    | DATE     |
|-------------|------|----------------|----------|
| JP 07138135 | A    | JP 1993-288451 | 19931117 |

PRIORITY APPLN. INFO: JP 1993-288451 19931117

AN 1995-228598 [30] WPIDS

AB JP 07138135 A UPAB: 19950804

5-alpha-reductase inhibitors contg one or more plant extracts of Smilax zeylanica, phyllanthus nuriri, Woodfordia fruticosa, Lagerstroemia speciosa, or Cymbopogon nardus, are new.

The plant is extracted in organic solvent such as ethanol, or methanol.

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L1 160 "CRAPE MYRTLE" OR "LAGERSTROEMIA" OR BANABA

=> l1 and extract

L2 41 L1 AND EXTRACT

=> dis ibib 1-41

L2 ANSWER 1 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2001:682624 CAPLUS

TITLE: Inhibitory effects of herbal teas and herb  
**extracts** on the mutagenicity of 1-methyl-1, 2,  
3, 4-tetrahydro-.beta.-carboline-3-carboxylic acid  
upon treatment with nitrite in the presence of ethanol

AUTHOR(S): Higashimoto, Minoru; Akada, Yoshinobu; Sato, Masao;  
Yamada, Yoshihide; Kuwahara, Tomomi; Ohnishi,  
Yoshinari

CORPORATE SOURCE: Faculty of Pharmaceutical Sciences, Tokushima Bunri  
University, Tokushima, 770-8514, Japan

SOURCE: Kankyo Hen'igen Kenkyu (2001), 23(1), 1-7  
CODEN: KHKEEN; ISSN: 0910-0865

PUBLISHER: Nippon Kankyo Hen'igen Gakkai

DOCUMENT TYPE: Journal

LANGUAGE: English

L2 ANSWER 2 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2001:675546 CAPLUS

TITLE: An **extract** of **Lagerstroemia**  
**speciosa** L. has insulin-like glucose  
uptake-stimulatory and adipocyte differentiation-  
inhibitory activities in 3T3-L1 cells

AUTHOR(S): Liu, Fang; Kim, Jae-Kyung; Li, Yunsheng; Liu,  
Xue-Qing; Li, Jing; Chen, Xiaozhuo

CORPORATE SOURCE: Edison Biotechnology Institute, College of Osteopathic  
Medicine, Ohio University, Athens, OH, 45701, USA

SOURCE: J. Nutr. (2001), 131(9), 2242-2247

CODEN: JONUAI; ISSN: 0022-3166

PUBLISHER: American Society for Nutritional Sciences

DOCUMENT TYPE: Journal

LANGUAGE: English

L2 ANSWER 3 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2001:480806 CAPLUS

DOCUMENT NUMBER: 135:121511

TITLE: Effect and mode of action of **banaba** (  
**Lagerstroemia speciosa** L.) leaf  
**extracts** on postprandial blood glucose in rats

AUTHOR(S): Suzuki, Yuko; Hayashi, Kazuhiko; Sakane, Iwao; Kakuda,  
Takami

CORPORATE SOURCE: Cent. Res. Inst., Itoen Ltd., 21 Mekami, Sagara-cho,  
Haibara-gun, Shizuoka, 421-0516, Japan

SOURCE: Nippon Eiyo, Shokuryo Gakkaishi (2001), 54(3), 131-137  
CODEN: NESGDC; ISSN: 0287-3516

PUBLISHER: Nippon Eiyo, Shokuryo Gakkai

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

L2 ANSWER 4 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2001:407941 CAPLUS

DOCUMENT NUMBER: 135:24687

TITLE: Method for preparation of plant **extract**

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powder  
INVENTOR(S): Moon, Hyun Soo; Lee, Byung Ryeul; Lee, Key Hyun  
PATENT ASSIGNEE(S): Pacific Corporation, S. Korea  
SOURCE: U.S., 7 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE       |
|------------------------|------|----------|-----------------|------------|
| US 6241975             | B1   | 20010605 | US 2000-478356  | 20000106   |
| PRIORITY APPLN. INFO.: |      |          | KR 1999-30186   | A 19990724 |
|                        |      |          | KR 1999-43040   | A 19991006 |

REFERENCE COUNT: 7  
REFERENCE(S): (1) Anon; JP 58134013 1983 CAPLUS  
(2) Anon; JP 62138420 1987  
(3) Anon; JP 09110663 1997 CAPLUS  
(4) Greene; US 4689216 1987 CAPLUS  
(7) Souda; US 5239079 1993 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2001:11118 CAPLUS  
DOCUMENT NUMBER: 134:190591  
TITLE: Antifungal activity of plant **extracts**  
against Arthrinium sacchari and Chaetomium funicola  
AUTHOR(S): Sato, Jun; Goto, Keiichi; Nanjo, Fumio; Kawai,  
Shigeyuki; Murata, Kousaku  
CORPORATE SOURCE: Quality Assurance, Coca-Cola (Japan) Company, Limited,  
Tokyo, 150-0002, Japan  
SOURCE: J. Biosci. Bioeng. (2000), 90(4), 442-446  
CODEN: JBBIF6; ISSN: 1389-1723  
PUBLISHER: Society for Bioscience and Bioengineering, Japan  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 17  
REFERENCE(S): (1) Demizu, S; Chem Pharm Bull 1988, V36, P3474 CAPLUS  
(2) Hara, Y; Nippon Shokuhin Kogyo Gakkaishi (in  
Japanese) 1989, V36, P996 CAPLUS  
(5) Mitscher, L; J Nat Prod 1980, V43, P259 CAPLUS  
(6) Mizutani, K; Food phytochemicals for cancer  
prevention II 1994, P322 CAPLUS  
(11) Sato, J; Biocontrol Science 2000, V5, P121 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:733014 CAPLUS  
DOCUMENT NUMBER: 133:301107  
TITLE: Isolation of xanthine oxidase inhibitors from  
**Lagerstroemia**  
INVENTOR(S): Unno, Tomonori; Sakane, Iwao; Tsunoda, Takami  
PATENT ASSIGNEE(S): Itoen K. K., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

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| PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------|------|----------|-----------------|----------|
| JP 2000290188 | A2   | 20001017 | JP 1999-98011   | 19990405 |

L2 ANSWER 7 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 2000:707462 CAPLUS  
DOCUMENT NUMBER: 133:222009  
TITLE: Inhibition of xanthine oxidase by an aqueous  
extract of **banaba** leaves (  
**Lagerstroemia speciosa**)  
AUTHOR(S): Unno, Tomonori; Sakane, Iwao; Kakuda, Takami  
CORPORATE SOURCE: Cent. Res. Inst., ITO EN, Ltd., 21 Mekami, Sagara-cho,  
Haibara-gun, Shizuoka, 421-0516, Japan  
SOURCE: Nippon Shokuhin Kagaku Kogaku Kaishi (2000), 47(9),  
740-743  
CODEN: NSKKEF; ISSN: 1341-027X  
PUBLISHER: Nippon Shokuhin Kagaku Kogakkai  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L2 ANSWER 8 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 2000:412189 CAPLUS  
DOCUMENT NUMBER: 133:38244  
TITLE: **Lagerstroemia speciosa extracts**  
containing corosolic acid as hypoglycemic agents  
INVENTOR(S): Matsuyama, Futoshi  
PATENT ASSIGNEE(S): Youth Techno Corporation K. K., Japan; Mitsui and Co.,  
Ltd.  
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|---------------|------|----------|-----------------|----------|
| JP 2000169384 | A2   | 20000620 | JP 1998-349667  | 19981209 |
| US 2001006941 | A1   | 20010705 | US 1999-437342  | 19991110 |
| EP 1022022    | A1   | 20000726 | EP 1999-123173  | 19991123 |

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: JP 1998-349667 A 19981209

L2 ANSWER 9 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 2000:108531 CAPLUS  
TITLE: Antiobesity activity of **extracts** from  
**lagerstroemia speciosa** L. leaves on female  
KK-Ay mice  
AUTHOR(S): Suzuki, Yuko; Unno, Tomonori; Ushitani, Masao;  
Hayashi, Kazuhiko; Kakuda, Takami  
CORPORATE SOURCE: Central Research Institute, Itoen, Ltd., Shizuoka,  
421-0516, Japan  
SOURCE: J. Nutr. Sci. Vitaminol. (1999), 45(6), 791-795  
CODEN: JNSVA5; ISSN: 0301-4800  
PUBLISHER: Center for Academic Publications Japan  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 14

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REFERENCE(S): (3) Gabbay, K; J Clin Endocrinol Metab 1977, V44, P859  
CAPLUS  
(7) Iwatsuka, H; Endocrinol Jpn 1970, V17, P23 CAPLUS  
(8) Kakuda, T; Biosci Biotech Biochem 1996, V60, P204  
CAPLUS  
(9) Kimura, M; Endocrinol Jpn 1979, V26, P185 CAPLUS  
(11) Osawa, K; Yakugaku Zasshi 1974, V94, P271 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 10 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 2000:65764 CAPLUS  
DOCUMENT NUMBER: 132:121768  
TITLE: Chemical composition of barley tea  
AUTHOR(S): Kajimoto, Goro  
CORPORATE SOURCE: Fac. Nutr., Kobe Gakuin Univ., Arise, Ikawadani-cho,  
Nishi-ku, Kobe-shi, 651-2113, Japan  
SOURCE: Nippon Shokuhin Kagaku Kogaku Kaishi (2000), 47(1),  
9-16  
CODEN: NSKKEF; ISSN: 1341-027X  
PUBLISHER: Nippon Shokuhin Kagaku Kogakkai  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L2 ANSWER 11 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1999:566403 CAPLUS  
DOCUMENT NUMBER: 131:213452  
TITLE: Antioxidant activity of several commercial teas and  
their components  
AUTHOR(S): Kajimoto, Goro; Murakami, Chikako  
CORPORATE SOURCE: Fac. Nutr., Kobe Gakuin Univ., Kobe, 651-2113, Japan  
SOURCE: Nippon Eiyo, Shokuryo Gakkaishi (1999), 52(4), 209-218  
CODEN: NESGDC; ISSN: 0287-3516  
PUBLISHER: Nippon Eiyo, Shokuryo Gakkai  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L2 ANSWER 12 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1999:506103 CAPLUS  
DOCUMENT NUMBER: 132:87989  
TITLE: Glucosol effect on blood glucose in rats  
AUTHOR(S): Hamamoto, Syoichi; Kogami, Hideharu; Kohata, Katsuya;  
Moriwaki, Masahiko; Kanada, Heihachiro; Matsuyama,  
Futoshi  
CORPORATE SOURCE: Rabiton Institute Inc., Japan  
SOURCE: Yakuri to Chiryo (1999), 27(6), 1075-1077  
CODEN: YACHDS; ISSN: 0386-3603  
PUBLISHER: Raifu Saiensu Shuppan K.K.  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L2 ANSWER 13 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1999:253257 CAPLUS  
DOCUMENT NUMBER: 131:92396  
TITLE: Antioxidative activities of methanol **extracts**  
of tropical and oriental medicinal plants  
AUTHOR(S): Choi, Won-Sik; Lee, Sung-Eun; Lee, Hoi-Seon; Lee,  
Young-Haeng; Park, Byoung-Soo  
CORPORATE SOURCE: Department of Life Science, Soonchunhyang University,  
Chungnam, 337-745, S. Korea  
SOURCE: Han'guk Nonghwa Hakhoechi (1998), 41(7), 556-559

09702165

CODEN: JKACA7; ISSN: 0368-2897  
PUBLISHER: Korean Society of Agricultural Chemistry and Biotechnology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 15  
REFERENCE(S): (1) Blois, M; Nature 1958, V181, P1199 CAPLUS  
(2) Brannen, A; J Am Oil Chem Soc 1975, V52, P59 CAPLUS  
(6) Haraguchi, H; Bioorg Med Chem 1997, V5, P865 CAPLUS  
(9) Kim, S; J Am Oil Chem Soc 1994, V71, P633 CAPLUS  
(10) Kwon, M; J Korean Soc Food Nutr 1994, V23(6), P899 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 14 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1999:100348 CAPLUS  
DOCUMENT NUMBER: 130:257239  
TITLE: Characterization and identification of antibacterial components in **extracts** of seeds from **Lagerstroemia speciosa**  
AUTHOR(S): Sinhababu, A.; Das, S.; Laskar, S.; Thakur, S.; Sen, S. K.  
CORPORATE SOURCE: Dep. Chem., Univ. Burdwan, Burdwan, 713104, India  
SOURCE: Adv. Food Sci. (1999), 21(1/2), 19-22  
CODEN: AFSCF2; ISSN: 1431-7737  
PUBLISHER: G. Leupold  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 14  
REFERENCE(S): (6) Galvez, A; Can J Microbiol 1986, V32, P765 CAPLUS  
(8) Garcia, L; Philipp J Sci 1987, V116(4), P361 CAPLUS  
(10) Manalo, J; Philipp J Sci 1993, V122(1), P15 CAPLUS  
(11) Odebiyi, O; Fitoterapia 1985, V56, P297 CAPLUS  
(14) Yamada, N; JP 08154586 1996 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 15 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1998:333866 CAPLUS  
DOCUMENT NUMBER: 129:4028  
TITLE: Food, cosmetic, and pharmaceutical antioxidants derived from **Lagerstroemia** leaves  
INVENTOR(S): Umino, Tomonori; Sakane, Iwao; Sumida, Takami  
PATENT ASSIGNEE(S): Itoen K. K., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|-------------|------|----------|-----------------|----------|
| JP 10130644 | A2   | 19980519 | JP 1996-291904  | 19961101 |

L2 ANSWER 16 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1997:708025 CAPLUS  
DOCUMENT NUMBER: 128:10284



09702165

TITLE: Antioxidative activity of water **extracts** of  
**Lagerstroemia speciosa** leaves  
AUTHOR(S): Unno, Tomonori; Sakane, Iwao; Masumizu, Toshiki;  
Kohno, Masahiro; Kakuda, Takami  
CORPORATE SOURCE: Central Research Institute, Itoen Ltd., Shizuoka,  
421-05, Japan  
SOURCE: Biosci., Biotechnol., Biochem. (1997), 61(10),  
1772-1774  
CODEN: BBBIEJ; ISSN: 0916-8451  
PUBLISHER: Japan Society for Bioscience, Biotechnology, and  
Agrochemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 17 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1997:587626 CAPLUS  
DOCUMENT NUMBER: 127:239111  
TITLE: Antiobesity agents, .alpha.-amylase inhibitors, lipase  
inhibitors, foods, and beverages containing plant  
**extracts**  
INVENTOR(S): Hashimoto, Masao; Nakajima, Yoshiaki  
PATENT ASSIGNEE(S): Zeria Pharmaceutical Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|-------------|------|----------|-----------------|----------|
| JP 09227398 | A2   | 19970902 | JP 1996-55402   | 19960220 |

L2 ANSWER 18 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1997:33563 CAPLUS  
DOCUMENT NUMBER: 126:183827  
TITLE: Effect of tannins on screening of plant  
**extracts** for enzyme inhibitory activity and  
techniques for their removal  
AUTHOR(S): Wall, M. E.; Wani, M. C.; Brown, D. M.; Fullas, F.;  
Olwald, J. B.; Josephson, F. F.; Thornton, N. M.;  
Pezzuto, J. M.; Beecher, C. W. W.; et al.  
CORPORATE SOURCE: Chemistry Life Sciences Group, Research Triangle  
Institute, Research Triangle Park, NC, 27709, USA  
SOURCE: Phytomedicine (1996), 3(3), 281-285  
CODEN: PYTOEY; ISSN: 0944-7113  
PUBLISHER: Fischer  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 19 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1996:426941 CAPLUS  
DOCUMENT NUMBER: 125:94097  
TITLE: Comparative air pollution tolerance indices of few  
trees  
AUTHOR(S): Tiwari, S.; Bansal, S.  
CORPORATE SOURCE: Kirodimal Govt. P.G. College, Raigarh, 486001, India  
SOURCE: Indian J. Environ. Health (1995), 37(4), 305-308  
CODEN: IJEHBP; ISSN: 0367-827X  
DOCUMENT TYPE: Journal

09702165

LANGUAGE: English

L2 ANSWER 20 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1996:136469 CAPLUS

TITLE: Hypoglycemic effect of **extracts** from

**Lagerstroemia speciosa** L. leaves in  
genetically diabetic KK-A<sup>y</sup> mice

AUTHOR(S): Kakuda, Takami; Sakane, Iwao; Takihara, Takanobu;

Ozaki, Yuji; Takeuchi, Hisanao; Kuroyanagi, Masanori

CORPORATE SOURCE: Central Research Inst., Itoen, Ltd., Shizuoka, 421-05,  
Japan

SOURCE: Biosci., Biotechnol., Biochem. (1996), 60(2), 204-208

CODEN: BBBIEJ; ISSN: 0916-8451

PUBLISHER: Japan Society for Bioscience, Biotechnology, and  
Agrochemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

L2 ANSWER 21 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1995:919208 CAPLUS

TITLE: Effect of some saponins on glucose transport system.

AUTHOR(S): Yamasaki, Kazuo

CORPORATE SOURCE: School Medicine, Hiroshima University, Hiroshima, 734,  
Japan

SOURCE: Book of Abstracts, 210th ACS National Meeting,  
Chicago, IL, August 20-24 (1995), Issue Pt. 1,  
AGFD-223. American Chemical Society: Washington, D.  
C.

CODEN: 61XGAC

DOCUMENT TYPE: Conference; Meeting Abstract

LANGUAGE: English

L2 ANSWER 22 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1995:769924 CAPLUS

DOCUMENT NUMBER: 123:152599

TITLE: Skin-lightening cosmetics containing cholesteric  
liquid crystals and plant **extracts**

INVENTOR(S): Ueda, Kyosuke; Shimomura, Kenji

PATENT ASSIGNEE(S): Mikimoto Seiyaku Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|-------------|------|----------|-----------------|----------|
| JP 07157420 | A2   | 19950620 | JP 1993-342164  | 19931201 |

L2 ANSWER 23 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1995:741106 CAPLUS

DOCUMENT NUMBER: 123:122732

TITLE: hair tonics containing 5.alpha.-reductase inhibitor  
from plants

INVENTOR(S): Nanba, Tsuneo; Hatsutori, Yukio; Shimomura, Kenji;

Yamabe, Yukihiisa; Iida, Koichi

PATENT ASSIGNEE(S): Mikimoto Seiyaku Kk, Japan; Nanba Tsuneo

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

09702165

DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|-------------|------|----------|-----------------|----------|
| JP 07138135 | A2   | 19950530 | JP 1993-288451  | 19931117 |

L2 ANSWER 24 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1995:505938 CAPLUS  
DOCUMENT NUMBER: 122:310700  
TITLE: Pigments and color variation in flowers of  
**Lagerstroemia** indica  
AUTHOR(S): Toki, Kenjiro; Katsuyama, Nobuyuki  
CORPORATE SOURCE: Dep. Hortic., Minami-Kyushu Univ., Miyazaki, 884,  
Japan  
SOURCE: Engei Gakkai Zasshi (1995), 63(4), 853-61  
CODEN: EGKZA9; ISSN: 0013-7626  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L2 ANSWER 25 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1994:260421 CAPLUS  
DOCUMENT NUMBER: 120:260421  
TITLE: Screening of plant constituents for effect on glucose  
transport activity on Ehrlich ascites tumor cells  
AUTHOR(S): Murakami, Chikage; Myoga, Keiko; Kasai, Ryoji; Ohtani,  
Kazuhiro; Kurokawa, Tomonori; Ishibashi, Sadahiko;  
Dayrit, Fabian; Padolina, William G.; Yamasaki, Kazuo  
CORPORATE SOURCE: Sch. Med., Hiroshima Univ., Hiroshima, 734, Japan  
SOURCE: Chem. Pharm. Bull. (1993), 41(12), 2129-31  
CODEN: CPBTAL; ISSN: 0009-2363  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 26 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1994:27494 CAPLUS  
DOCUMENT NUMBER: 120:27494  
TITLE: Phytochemical investigation of **Lagerstroemia**  
speciosa leaves (**banaba**) I. Pers  
AUTHOR(S): Manalo, Josefina B.; De Vera, Fe V.; Bonifacio,  
Teresita S.; Unalivia, Felicisima D.; Arida, Violeta  
P.  
CORPORATE SOURCE: Manila, Philippines  
SOURCE: Philipp. J. Sci. (1993), 122(1), 15-31  
CODEN: PJSCAK; ISSN: 0031-7683  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 27 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1989:88583 CAPLUS  
DOCUMENT NUMBER: 110:88583  
TITLE: Pharmaceutico-chemical and pharmacological studies on  
a crude drug from **Lagerstroemia speciosa**  
(L.) Pers  
AUTHOR(S): Garcia, Lourdes L.; Fojas, Felicita R.; Castro, Irma  
R.; Venzon, Eulalia L.; Sison, Fe M.; Capal, Teresita  
V.  
CORPORATE SOURCE: Ind. Technol. Dev. Inst., Manila, Philippines

09702165

SOURCE: Philipp. J. Sci. (1987), 116(4), 361-75  
CODEN: PJSCAK; ISSN: 0031-7683  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 28 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1989:72518 CAPLUS  
DOCUMENT NUMBER: 110:72518  
TITLE: 24-Alkyl sterols in the leaves of  
**Lagerstroemia indica**  
AUTHOR(S): Goyal, M. M.; Kumar, Kamal  
CORPORATE SOURCE: Chem. Lab., S. V. Coll., Aligarh, India  
SOURCE: Bangladesh J. Sci. Ind. Res. (1987), 22(1-4), 148-51  
CODEN: BJSIBL; ISSN: 0304-9809  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 29 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1984:547872 CAPLUS  
DOCUMENT NUMBER: 101:147872  
TITLE: Components of the plants of **Lagerstroemia**  
genus. Reinvestigation of the stem  
AUTHOR(S): Sato, Tsuguo; Ueda, Joji  
CORPORATE SOURCE: Tohoku Coll. Pharm., Sendai, 983, Japan  
SOURCE: Annu. Rep. Tohoku Coll. Pharm. (1983), (30), 65-9  
CODEN: TYKNAQ; ISSN: 0495-7342  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L2 ANSWER 30 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1982:578715 CAPLUS  
DOCUMENT NUMBER: 97:178715  
TITLE: Physicochemical investigation of **Lagerstroemia**  
indica Linne (Fam. Lythraceae)  
AUTHOR(S): Castillo, Amorita V.; Topacio, Milali R.; Balasbas,  
Maria Margarita R.  
CORPORATE SOURCE: Philippines  
SOURCE: NRCP Res. Bull. (1980), 35(2), 201-7  
CODEN: NRBUDQ; ISSN: 0115-1304  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 31 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1982:559571 CAPLUS  
DOCUMENT NUMBER: 97:159571  
TITLE: The components of the plants of **Lagerstroemia**  
genus. VII. The components in the stems  
AUTHOR(S): Takahashi, Mitsuo; Sato, Tsuguo; Ueda, Joji  
CORPORATE SOURCE: Tohoku Coll. Pharm., Sendai, 983, Japan  
SOURCE: Annu. Rep. Tohoku Coll. Pharm. (1981), (28), 85-7  
CODEN: TYKNAQ; ISSN: 0495-7342  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L2 ANSWER 32 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1980:510633 CAPLUS  
DOCUMENT NUMBER: 93:110633  
TITLE: The components of the plants of **Lagerstroemia**  
genus. VI. Alkaloids and others in the leaves of  
**Lagerstroemia speciosa** (L.) Pers

09702165

AUTHOR(S): Takahashi, Mitsuo; Osawa, Keisuke; Ueda, Joji;  
Yamazaki, Junko  
CORPORATE SOURCE: Tohoku Coll. Pharm., Sendai, Japan  
SOURCE: Annu. Rep. Tohoku Coll. Pharm. (1979), (26), 65-8  
CODEN: TYKNAQ; ISSN: 0495-7342  
DOCUMENT TYPE: Journal  
LANGUAGE: Japanese

L2 ANSWER 33 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1978:86305 CAPLUS  
DOCUMENT NUMBER: 88:86305  
TITLE: Extraction of cryogenine  
INVENTOR(S): Fujita, Eiichi; Fuji, Kaoru; Murata, Hiroyuki  
PATENT ASSIGNEE(S): Nippon Shinyaku Co., Ltd., Japan  
SOURCE: Japan. Kokai, 3 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|-------------|------|----------|-----------------|----------|
| JP 52082711 | A2   | 19770711 | JP 1975-157426  | 19751229 |
| JP 55006638 | B4   | 19800218 |                 |          |

L2 ANSWER 34 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1972:523828 CAPLUS  
DOCUMENT NUMBER: 77:123828  
TITLE: 3,3',4-Tri-O-methylelagic acid from  
**Lagerstroemia indica**  
AUTHOR(S): Hussain, S. F.; Miana, G. A.; Saifur-Rahman  
CORPORATE SOURCE: Drugs Res. Div., Pakistan Counc. Sci. Ind. Res.,  
Peshawar, Pakistan  
SOURCE: Phytochemistry (1972), 11(9), 2890-1  
CODEN: PYTCAS  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 35 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1970:75629 CAPLUS  
DOCUMENT NUMBER: 72:75629  
TITLE: Spectrophotometry of floral **extracts**  
AUTHOR(S): Raman, C. V.  
SOURCE: Curr. Sci. (1969), 38(22), 527-9  
CODEN: CUSCAM  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 36 OF 41 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1966:107395 CAPLUS  
DOCUMENT NUMBER: 64:107395  
ORIGINAL REFERENCE NO.: 64:20293c-d  
TITLE: Phagostimulants for locusts  
AUTHOR(S): Mehrotra, K. N.; Rao, P. J.  
CORPORATE SOURCE: Indian Agr. Res. Inst., New Delhi  
SOURCE: Indian J. Exptl. Biol. (1966), 4(1), 56-7  
DOCUMENT TYPE: Journal  
LANGUAGE: English

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L2 ANSWER 37 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1962:18565 CAPLUS  
DOCUMENT NUMBER: 56:18565  
ORIGINAL REFERENCE NO.: 56:3564b-c  
TITLE: Constituents of *Lagerstroemia* flos-reginae  
AUTHOR(S): Carew, D. P.; Chin, T. F.  
CORPORATE SOURCE: State Univ. of Iowa, Iowa City  
SOURCE: Nature (1961), 190, 1108-9  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

L2 ANSWER 38 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1960:30163 CAPLUS  
DOCUMENT NUMBER: 54:30163  
ORIGINAL REFERENCE NO.: 54:5933d-f  
TITLE: Relation of drug-induced hypoglycemia to duodenal motility in anesthetized dogs  
AUTHOR(S): Bunag, Ruben D.; Rigor, Benjamin M.; Tan-Gatue, Leonardo G.; Reotutar, Wm. R.; Guevara, Romulo  
CORPORATE SOURCE: Med. Coll., Quezon City, Phillipines  
SOURCE: J. Pharmacol. Exptl. Therap. (1960), 128, 85-9  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

L2 ANSWER 39 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1955:28770 CAPLUS  
DOCUMENT NUMBER: 49:28770  
ORIGINAL REFERENCE NO.: 49:5587c-f  
TITLE: The phytochemical investigation of intanin fruits (*Lagerstroemia* flos-rectinae, rest.)  
AUTHOR(S): Raktawattana, Sa-ard  
SOURCE: J. Pharm. Assoc. Thailand (1953), 6(No. 4), 22-4;24-5  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 40 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1950:36977 CAPLUS  
DOCUMENT NUMBER: 44:36977  
ORIGINAL REFERENCE NO.: 44:7060a-d  
TITLE: Application of spectroscopy to timber wood identification  
AUTHOR(S): Nambiyar, V. P. Narayanan  
CORPORATE SOURCE: Pachaiyappa's Coll., Madras  
SOURCE: Science & Eng. (India) (1949), 2, 114-19  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

L2 ANSWER 41 OF 41 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1948:40247 CAPLUS  
DOCUMENT NUMBER: 42:40247  
ORIGINAL REFERENCE NO.: 42:8505b-e  
TITLE: The vegetable tannin-materials in Taiwan. I  
AUTHOR(S): Ch'in, Tzu-Hsin; Wang, Ying-Nan  
SOURCE: Mem. Taiwan Forest Research Inst. (1947), No. 1, 22-31  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

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| NEWS 2  | Dec 17 | The CA Lexicon available in the CAPLUS and CA files                      |
| NEWS 3  | Feb 06 | Engineering Information Encompass files have new names                   |
| NEWS 4  | Feb 16 | TOXLINE no longer being updated  |
| NEWS 5  | Apr 23 | Search Derwent WPINDEX by chemical structure                             |
| NEWS 6  | Apr 23 | PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA                      |
| NEWS 7  | May 07 | DGENE Reload   |
| NEWS 8  | Jun 20 | Published patent applications (A1) are now in USPATFULL                  |
| NEWS 9  | JUL 13 | New SDI alert frequency now available in Derwent's<br>DWPI and DPCI      |
| NEWS 10 | Aug 23 | In-process records and more frequent updates now in<br>MEDLINE           |
| NEWS 11 | Aug 23 | PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA                       |
| NEWS 12 | Aug 23 | Adis Newsletters (ADISNEWS) now available on STN                         |
| NEWS 13 | Sep 17 | IMSworld Pharmaceutical Company Directory name change<br>to PHARMASEARCH |

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The OLDMEDLINE file segment now contains data from 1958 through 1965. Enter HELP CONTENT for details.

Left, right, and simultaneous left and right truncation are available in the Basic Index. See HELP SFIELDS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

=> crape myrtle

2 CRAPE  
21 MYRTLE  
L1 0 CRAPE MYRTLE  
(CRAPE(W)MYRTLE)



09702165

=> lagerstroemia

L2 13 LAGERSTROEMIA

=> dis 1-13 ibib abs

L2 ANSWER 1 OF 13 MEDLINE

ACCESSION NUMBER: 2001490603 IN-PROCESS

DOCUMENT NUMBER: 21424259 PubMed ID: 11533261

TITLE: An Extract of **Lagerstroemia speciosa** L. Has Insulin-Like Glucose Uptake-Stimulatory and Adipocyte Differentiation-Inhibitory Activities in 3T3-L1 Cells.  
AUTHOR: Liu F; Kim Jk; Li Y; Liu Xq; Li J; Chen X  
CORPORATE SOURCE: Edison Biotechnology Institute, Department of Biomedical Sciences, College of Osteopathic Medicine and. Department of Chemistry and Biochemistry, Ohio University, Athens, OH 45701.

SOURCE: JOURNAL OF NUTRITION, (2001 Sep) 131 (9) 2242-7.  
Journal code: JEV; 0404243. ISSN: 0022-3166.

PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals

ENTRY DATE: Entered STN: 20010905  
Last Updated on STN: 20010905

AB The effects of extracts isolated from **Lagerstroemia speciosa** L. (banaba) on glucose transport and adipocyte differentiation in 3T3-L1 cells were studied. Glucose uptake-inducing activity of banaba extract (BE) was investigated in differentiated adipocytes using a radioactive assay, and the ability of BE to induce differentiation in preadipocytes was examined by Northern and Western blot analyses. The hot water BE and the banaba methanol eluent (BME) stimulated glucose uptake in 3T3-L1 adipocytes with an induction time and a dose-dependent response similar to those of insulin. Furthermore, there were no additive or synergistic effects found between BE and insulin on glucose uptake, and the glucose uptake activity of insulin could be reduced to basal levels by adding increasing amounts of BE. Unlike insulin, BE did not induce adipocyte differentiation in the presence of 3-isobutyl-1-methylxanthine (IBMX) and dexamethasone (DEX). BE inhibited the adipocyte differentiation induced by insulin plus IBMX and DEX (IS-IBMX-DEX) of 3T3-L1 preadipocytes in a dose-dependent manner. The differences in the glucose uptake and differentiation inhibitory activities between untreated cells and those treated with BE were significant ( $P < 0.01$ ). The inhibitory activity was further demonstrated by drastic reductions of peroxisome proliferator-activated receptor gamma2 (PPARgamma2) mRNA and glucose transporter-4 (GLUT4) protein in cells induced from preadipocytes with IS-IBMX-DEX in the presence of BE. The unique combination of a glucose uptake stimulatory activity, the absence of adipocyte differentiation activity and effective inhibition of adipocyte differentiation induced by IS-IBMX-DEX in 3T3-L1 cells suggest that BE may be useful for prevention and treatment of hyperglycemia and obesity in type II diabetics.

L2 ANSWER 2 OF 13 MEDLINE

ACCESSION NUMBER: 2000199493 MEDLINE

DOCUMENT NUMBER: 20199493 PubMed ID: 10737232

TITLE: Antiobesity activity of extracts from **Lagerstroemia speciosa** L. leaves on female KK-Ay mice.

AUTHOR: Suzuki Y; Unno T; Ushitani M; Hayashi K; Kakuda T

CORPORATE SOURCE: Central Research Institute, Itoen, Ltd., Shizuoka, Japan.

SOURCE: JOURNAL OF NUTRITIONAL SCIENCE AND VITAMINOLOGY, (1999 Dec) 45 (6) 791-5.

09702165

JOURNAL code: JFD; 0402640. ISSN: 0301-4800.  
PUB. COUNTRY: Japan  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200006  
ENTRY DATE: Entered STN: 20000616  
Last Updated on STN: 20000616  
Entered Medline: 20000606

AB Banaba in the Tagalog name, **Lagerstroemia speciosa** L., has been used as a folk medicine for a long time among diabetics in the Philippines. Extracts from banaba leaves have been reported to reduce diabetic symptoms in genetically diabetic mice (Type II, KK-Ay). In the present study, female mice of the same strain showing remarkable body weight gain were used to examine the antiobesity effect of dietary banaba extract. Five-week-old female KK-Ay mice were fed a control diet or test diet containing 5% of a hot-water extract from banaba leaves instead of cellulose for 12 wk. Neither group showed any changes in diet intake during the experimental period. Body weight gain and parametrial adipose tissue weight were lowered significantly in the banaba diet group. Blood glucose levels were not suppressed in the banaba diet group, but hemoglobin A1C was found to be suppressed at the end of the experiment. No effects on the serum lipids were observed, but the mice fed banaba extract showed a significant decrease, to 65% of the control level in total hepatic lipid contents. This decrease was due to a reduction in the accumulation of triglyceride. These results suggest that banaba had a beneficial effect on obese female KK-Ay mice.

L2 ANSWER 3 OF 13 MEDLINE

ACCESSION NUMBER: 97076613 MEDLINE  
DOCUMENT NUMBER: 97076613 PubMed ID: 9063966  
TITLE: Hypoglycemic effect of extracts from **Lagerstroemia speciosa** L. leaves in genetically diabetic KK-Ay mice.  
AUTHOR: Kakuda T; Sakane I; Takihara T; Ozaki Y; Takeuchi H; Kuroyanagi M  
CORPORATE SOURCE: Central Research Institute, Itoen, Ltd., Sagara-cho, Haibara-gun, Shizuoka, Japan.  
SOURCE: BIOSCIENCE, BIOTECHNOLOGY, AND BIOCHEMISTRY, (1996 Feb) 60 (2) 204-8.  
Journal code: BDP; 9205717. ISSN: 0916-8451.  
PUB. COUNTRY: Japan  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: B  
ENTRY MONTH: 199703  
ENTRY DATE: Entered STN: 19970327  
Last Updated on STN: 19970327  
Entered Medline: 19970314

AB The hypoglycemic effects of **Lagerstroemia speciosa** L., known by the Tagalog name of banaba in the Phillipines, were studied using hereditary diabetic mice (Type II, KK-Ay/Ta Jcl). The mice were fed a test diet containing 5% of the hot-water extract (HWE) from banaba leaves, 3% of the water eluent of the partial fraction unadsorbed onto HP-20 resin of HWE (HPWE), and 2% of the methanol eluent of the partial fraction adsorbed onto HP-20 resin of it (HPME) for a feeding period of 5 weeks. The elevation of blood plasma glucose level in non-insulin dependent diabetic mice fed the cellulose as control (CEL) diet were almost entirely suppressed by addition of either HWE or HPME in place of cellulose in the CEL diet. Water intakes were inclined to increase gradually in the group fed either CEL or HPWE, but lower in the mice fed either HWE or HPME than

in the animals given either CEL or HPME. The level of serum insulin and the amount of urinary excreted glucose were also lowered in mice fed HWE. Plasma total cholesterol level was also lowered in mice fed the either HWE or HPME. It is suggested that HWE, especially HPME, obtained from banaba leaves have beneficial effects on control of the level of plasma glucose in non-insulin dependent diabetes mellitus.

## L2 ANSWER 4 OF 13 MEDLINE

ACCESSION NUMBER: 95256097 MEDLINE  
 DOCUMENT NUMBER: 95256097 PubMed ID: 7737896  
 TITLE: Effect of different fractions of petroleum ether (60-80 degrees) extract of the seeds of **Lagerstroemia speciosa** (Linn. ex Murray) Pers. on some microorganisms.  
 AUTHOR: Sinhababu A; Basak B; Laskar S; Chakrabarty D; Sen S K  
 CORPORATE SOURCE: Department of Chemistry, University of Burdwan.  
 SOURCE: HINDUSTAN ANTIBIOTICS BULLETIN, (1994 Feb-May) 36 (1-2) 39-45.  
 Journal code: G81; 2985097R. ISSN: 0018-1935.  
 PUB. COUNTRY: India  
 Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199506  
 ENTRY DATE: Entered STN: 19950615  
 Last Updated on STN: 19950615  
 Entered Medline: 19950606

AB In a model experiment, seed extracts were applied to different bacterial test organisms. Different fractions of seed extracts in petroleum ether (60-80 degrees C) of **Lagerstroemia speciosa** (Linn. ex. Murray) Pers. when applied to both Gram positive and Gram negative test bacteria, some fractions showed high antagonistic activity.

## L2 ANSWER 5 OF 13 MEDLINE

ACCESSION NUMBER: 94163734 MEDLINE  
 DOCUMENT NUMBER: 94163734 PubMed ID: 8118906  
 TITLE: Screening of plant constituents for effect on glucose transport activity in Ehrlich ascites tumour cells.  
 AUTHOR: Murakami C; Myoga K; Kasai R; Ohtani K; Kurokawa T; Ishibashi S; Dayrit F; Padolina W G; Yamasaki K  
 CORPORATE SOURCE: Institute of Pharmaceutical Sciences, Hiroshima University School of Medicine, Japan.  
 SOURCE: CHEMICAL AND PHARMACEUTICAL BULLETIN, (1993 Dec) 41 (12) 2129-31.  
 Journal code: CZP; 0377775. ISSN: 0009-2363.  
 PUB. COUNTRY: Japan  
 Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199404  
 ENTRY DATE: Entered STN: 19940412  
 Last Updated on STN: 19970203  
 Entered Medline: 19940406

AB The effect of plant extracts on D-glucose uptake by Ehrlich ascites tumour cells was examined. Among the 23 extracts of medicinal plants, five samples inhibited, and six samples activated, the uptake significantly. From one of the active plants, **Lagerstroemia speciosa**, two triterpenoids, colosolic acid and maslinic acid were isolated. Colosolic acid was shown to be a glucose transport activator. Since this compound was known to have hypoglycemic activity, our simple in vitro bioassay method can at least be used as a first screening for anti-diabetic

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activity.

L2 ANSWER 6 OF 13 MEDLINE  
ACCESSION NUMBER: 91299445 MEDLINE  
DOCUMENT NUMBER: 91299445 PubMed ID: 2100150  
TITLE: Imaging cells with the atomic force microscope.  
AUTHOR: Butt H J; Wolff E K; Gould S A; Dixon Northern B; Peterson C M; Hansma P K  
CORPORATE SOURCE: Department of Physics, University of California, Santa Barbara 93106.  
SOURCE: JOURNAL OF STRUCTURAL BIOLOGY, (1990 Oct-Dec) 105 (1-3) 54-61.  
Journal code: AUD; 9011206. ISSN: 1047-8477.  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199108  
ENTRY DATE: Entered STN: 19910908  
Last Updated on STN: 19910908  
Entered Medline: 19910820

AB Different types of cells have been imaged with the atomic force microscope. The morphology of the archaebacterium *Halobacterium halobium* in its dry state was revealed. On a leaf of the small Indian tree **Lagerstroemia** subcostata a stoma was imaged. The lower side of a water lily leaf was imaged in water showing features down to 12 nm. Finally, fixed red and white blood cells were imaged in buffer showing features down to 8 nm. The images demonstrate that atomic force microscopy can provide high-resolution images of cell surfaces under physiological conditions.

L2 ANSWER 7 OF 13 MEDLINE  
ACCESSION NUMBER: 79029146 MEDLINE  
DOCUMENT NUMBER: 79029146 PubMed ID: 616825  
TITLE: The components of the plants of **Lagerstroemia** genus. V. Synthesis of the aglycon of lagertannin 3,4-di-O-methylellagic acid from gallic acid (author's transl).  
AUTHOR: Takahashi M; Ueda J; Sasaki J I  
SOURCE: YAKUGAKU ZASSHI. JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, (1977 Nov) 97 (11) 1236-9.  
Journal code: JON; 0413613. ISSN: 0031-6903.  
PUB. COUNTRY: Japan  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Japanese  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197812  
ENTRY DATE: Entered STN: 19900314  
Last Updated on STN: 19900314  
Entered Medline: 19781227

L2 ANSWER 8 OF 13 MEDLINE  
ACCESSION NUMBER: 78028517 MEDLINE  
DOCUMENT NUMBER: 78028517 PubMed ID: 915708  
TITLE: The components of the plants of **Lagerstroemia** genus. IV. On the presence of the ellagic acid derivatives from the leaves of **Lagerstroemia** subcostata Koehne. and *L. speciosa* (L.) Pers. and the synthesis of 3,4-di-o-methylellagic acid (author's transl).  
AUTHOR: Takahashi M; Ueda J; Sasaki J I

09702165

SOURCE: YAKUGAKU ZASSHI. JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, (1977 Aug) 97 (8) 880-2.  
Journal code: JON; 0413613. ISSN: 0031-6903.  
PUB. COUNTRY: Japan  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Japanese  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197712  
ENTRY DATE: Entered STN: 19900314  
Last Updated on STN: 19900314  
Entered Medline: 19771229

L2 ANSWER 9 OF 13

MEDLINE

ACCESSION NUMBER: 77167737 MEDLINE  
DOCUMENT NUMBER: 77167737 PubMed ID: 1035947  
TITLE: The components of the plants of **Lagerstroemia** genus. III. On the structure of the new tannin "lagertannin" from the leaves of **Lagerstroemia speciosa** (L.) Pers. (author's transl).  
AUTHOR: Takahashi M; Osawa K; Ueda J; Yamamoto F; Tsai C T  
SOURCE: YAKUGAKU ZASSHI. JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, (1976 Aug) 96 (8) 984-7.  
Journal code: JON; 0413613. ISSN: 0031-6903.  
PUB. COUNTRY: Japan  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Japanese  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197706  
ENTRY DATE: Entered STN: 19900313  
Last Updated on STN: 19900313  
Entered Medline: 19770611

L2 ANSWER 10 OF 13

MEDLINE

ACCESSION NUMBER: 74296484 MEDLINE  
DOCUMENT NUMBER: 74296484 PubMed ID: 4859158  
TITLE: The components of the plants of **Lagerstroemia** genus. II. Studies on the components of the leaves of **Lagerstroemia speciosa** (L.) Pers., **L. subcostata** Koehne., **L. indica** Linn., and **L. fauriei** Koehne (author's transl).  
AUTHOR: Osawa K; Ueda J; Takahashi M  
SOURCE: YAKUGAKU ZASSHI. JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, (1974 Feb) 94 (2) 271-3.  
Journal code: JON; 0413613. ISSN: 0031-6903.  
PUB. COUNTRY: Japan  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Japanese  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197411  
ENTRY DATE: Entered STN: 19900310  
Last Updated on STN: 19900310  
Entered Medline: 19741118

L2 ANSWER 11 OF 13

MEDLINE

ACCESSION NUMBER: 73254338 MEDLINE  
DOCUMENT NUMBER: 73254338 PubMed ID: 4738533  
TITLE: The chemical structure of the new component "lageracetal" from the leaves of **Lagerstroemia speciosa** (L.) Pers.  
AUTHOR: Takahashi M; Osawa K; Sato T; Ueda J; Fujita Y

09702165

SOURCE: YAKUGAKU ZASSHI. JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, (1973 Jul) 93 (7) 861-3.  
Journal code: JON; 0413613. ISSN: 0031-6903.  
PUB. COUNTRY: Japan  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Japanese  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197311  
ENTRY DATE: Entered STN: 19900310  
Last Updated on STN: 19900310  
Entered Medline: 19731113

L2 ANSWER 12 OF 13 MEDLINE  
ACCESSION NUMBER: 72005415 MEDLINE  
DOCUMENT NUMBER: 72005415 PubMed ID: 5095269  
TITLE: Lythraceae alkaloids. IX. The isolation and structure elucidation of the alkaloids of **Lagerstroemia indica** L.  
AUTHOR: Ferris J P; Briner R C; Boyce C B  
SOURCE: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, (1971 Jun 16) 93 (12) 2958-62.  
Journal code: H59; 7503056. ISSN: 0002-7863.  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197112  
ENTRY DATE: Entered STN: 19900310  
Last Updated on STN: 19900310  
Entered Medline: 19711202

L2 ANSWER 13 OF 13 MEDLINE  
ACCESSION NUMBER: 60010035 MEDLINE  
DOCUMENT NUMBER: 60010035  
TITLE: Constituents of **Lagerstroemia flosreginae** Retz.  
AUTHOR: CAREW D P; CHIN T F  
SOURCE: Nature (Lond), (1961 Jun 17) 190 1108-9.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
FILE SEGMENT: OLDMEDLINE  
ENTRY MONTH: 196112  
ENTRY DATE: Entered STN: 19990716  
Last Updated on STN: 19990716

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NEWS 4 Feb 16 TOXLINE no longer being updated  
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure  
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA  
NEWS 7 May 07 DGENE Reload  
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL  
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's  
DWPI and DPCI  
NEWS 10 Aug 23 In-process records and more frequent updates now in  
MEDLINE  
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA  
NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN  
NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change  
to PHARMASEARCH

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CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),  
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001  
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DICTIONARY FILE UPDATES: 25 SEP 2001 HIGHEST RN 358717-23-4

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for details.

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=> colosic

L1 0 COLOSIC

=> \colosolic

L2 0 COLOSOLIC  
0 \COLOSOLIC  
(COLOSOLIC)

=> hydroxyursolic

L3 12 HYDROXYURSOLIC

=> dis 1-12

L3 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2001 ACS

RN 250134-78-2 REGISTRY

CN Urs-12-en-28-oic acid, 3-(acetyloxy)-11-hydroxy-, (3.beta.,11.alpha.)-  
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN **11.alpha.-Hydroxyursolic acid acetate**

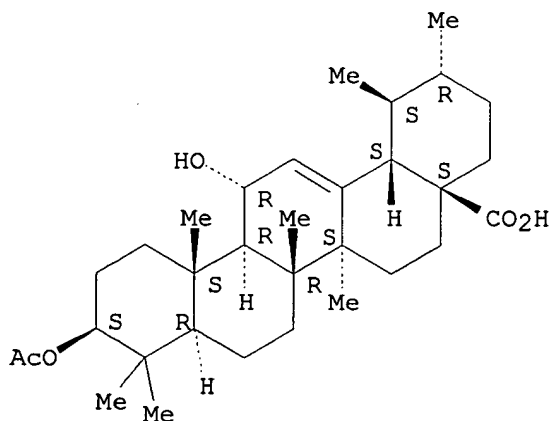
FS STEREOSEARCH

MF C32 H50 O5

SR CA

LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2001 ACS

RN 114020-00-7 REGISTRY

CN Urs-12-en-28-oic acid, 1,2,3-trihydroxy-, (1.alpha.,2.alpha.,3.beta.)-  
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN **1.alpha.,2.alpha.-Dihydroxyursolic acid**

FS STEREOSEARCH

MF C30 H48 O5

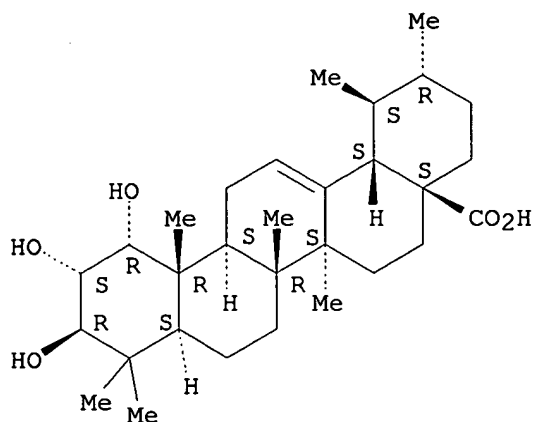
SR CA

LC STN Files: CA, CAPLUS



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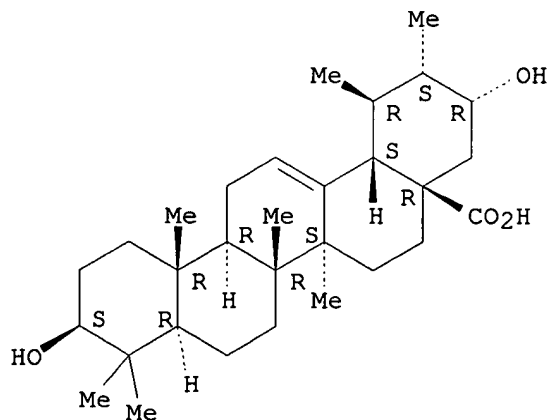
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 101512-28-1 REGISTRY  
CN Urs-12-en-28-oic acid, 3,21-dihydroxy-, (3.beta.,21.alpha.)- (9CI) (CA  
INDEX NAME)  
OTHER NAMES:  
CN **21.alpha.-Hydroxyursolic acid**  
FS STEREOSEARCH  
MF C30 H48 O4  
SR CA  
LC STN Files: CA, CAPLUS, NAPRALERT

Absolute stereochemistry.



5 REFERENCES IN FILE CA (1967 TO DATE)  
5 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 94414-19-4 REGISTRY  
CN Urs-12-en-28-oic acid, 3,23-dihydroxy-, (3.beta.,4.alpha.)- (9CI) (CA

09702165

INDEX NAME)

OTHER NAMES:

CN 2-Deoxyasiatic acid

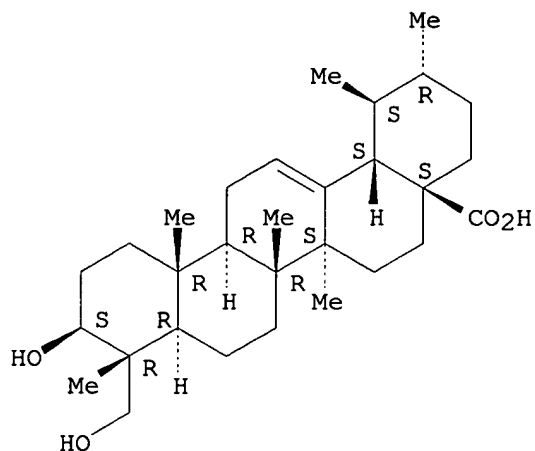
CN **23-Hydroxyursolic acid**

FS STEREOSEARCH

MF C30 H48 O4

LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAPLUS, NAPRALERT, TOXLIT, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



17 REFERENCES IN FILE CA (1967 TO DATE)

17 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2001 ACS

RN 87205-98-9 REGISTRY

CN Urs-12-en-28-oic acid, 2,3-dihydroxy-, (2.beta.,3.beta.)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urs-12-en-28-oic acid, 2.beta.,3.beta.-dihydroxy- (7CI)

OTHER NAMES:

CN **2.beta.-Hydroxyursolic acid**

FS STEREOSEARCH

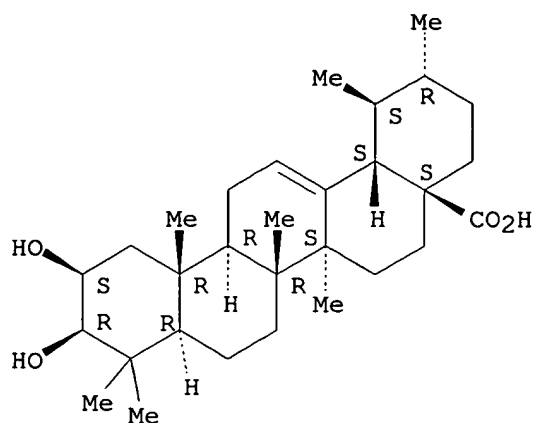
MF C30 H48 O4

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CHEMINFORMRX, NAPRALERT, TOXLIT

(\*File contains numerically searchable property data)

Absolute stereochemistry.

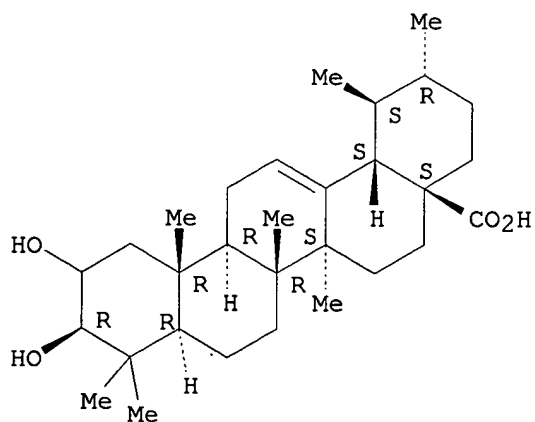
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2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 72881-13-1 REGISTRY  
CN Urs-12-en-28-oic acid, 2,3-dihydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **2-Hydroxyursolic acid**  
FS STEREOSEARCH  
MF C30 H48 O4  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CHEMINFORMRX, IPA, TOXLINE, TOXLIT  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 58213-73-3 REGISTRY  
CN Urs-12-en-28-oic acid, 3,20-dihydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **20.beta.-Hydroxyursolic acid**

09702165

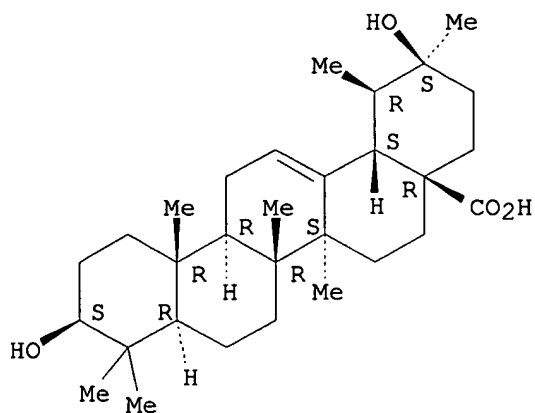
FS STEREOSEARCH

MF C30 H48 O4

LC STN Files: BEILSTEIN\*, CA, CAPLUS

(\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2001 ACS

RN 57498-76-7 REGISTRY

CN Urs-12-en-28-oic acid, 2,3-bis(acetyloxy)-, (2.alpha.,3.beta.)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **2.alpha.-Hydroxyursolic acid diacetate**

CN Corosolic acid acetate

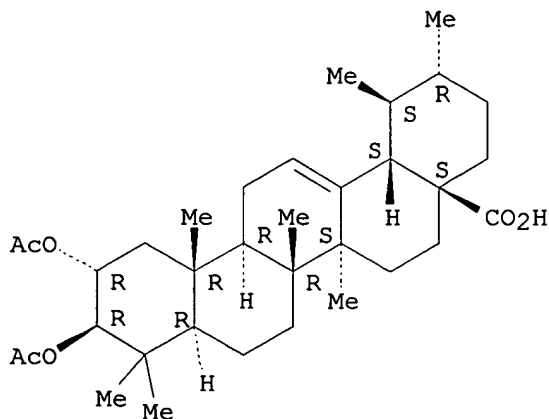
FS STEREOSEARCH

MF C34 H52 O6

LC STN Files: BEILSTEIN\*, CA, CAPLUS, TOXLIT

(\*File contains numerically searchable property data)

Absolute stereochemistry.



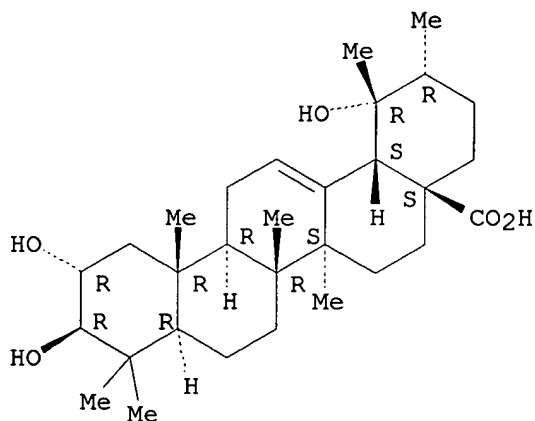
5 REFERENCES IN FILE CA (1967 TO DATE)

09702165

5 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 13850-16-3 REGISTRY  
CN Urs-12-en-28-oic acid, 2,3,19-trihydroxy-, (2.alpha.,3.beta.)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Urs-12-en-28-oic acid, 2.alpha.,3.beta.,19-trihydroxy- (8CI)  
OTHER NAMES:  
CN **2.alpha.,19.alpha.-Dihydroxyursolic acid**  
CN 2.alpha.,3.beta.,19.alpha.-Trihydroxyurs-12-en-28-oic acid  
CN Tormentic acid  
FS STEREOSEARCH  
DR 11008-23-4  
MF C30 H48 O5  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, DDFU, DRUGU, EMBASE, IPA, NAPRALERT, TOXLINE, TOXLIT, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (-).



82 REFERENCES IN FILE CA (1967 TO DATE)

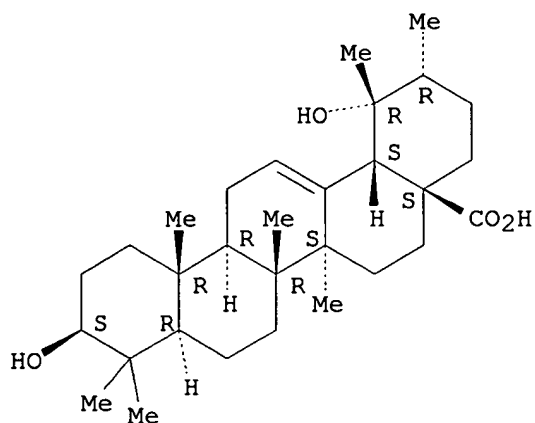
83 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2001 ACS  
RN 13849-91-7 REGISTRY  
CN Urs-12-en-28-oic acid, 3,19-dihydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Urs-12-en-28-oic acid, 3.beta.,19-dihydroxy- (8CI)  
OTHER NAMES:  
CN **19.alpha.-Hydroxyursolic acid**  
CN 3.beta.,19.alpha.-Dihydroxy Urs-12-en-28-oic acid  
CN Benthamic acid  
CN Pomolic acid  
CN Randialic acid A  
FS STEREOSEARCH  
DR 11045-21-9, 11046-60-9  
MF C30 H48 O4  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAPLUS, DDFU, DRUGU, IPA, NAPRALERT, PROMT, TOXLINE, TOXLIT, USPATFULL

09702165

(\*File contains numerically searchable property data)

Absolute stereochemistry.



77 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
77 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2001 ACS

RN 4547-24-4 REGISTRY

CN Urs-12-en-28-oic acid, 2,3-dihydroxy-, (2.alpha.,3.beta.)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urs-12-en-28-oic acid, 2.alpha.,3.beta.-dihydroxy- (7CI, 8CI)

OTHER NAMES:

CN **2-.alpha.-Hydroxyursolic acid**

CN 2.alpha.,3.beta.-Dihydroxyurs-12-en-28-oic acid

CN **2.alpha.-Hydroxyursolic acid**

CN Corosolic acid

CN Corsolic acid

CN Glucosol

FS STEREOSEARCH

DR 106327-63-3

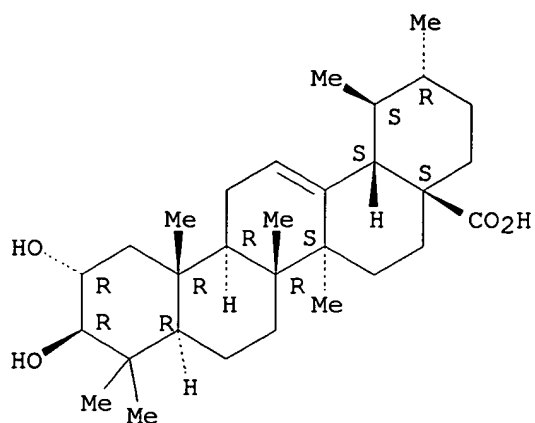
MF C30 H48 O4

LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CHEMINFORMRX, IPA, MEDLINE, NAPRALERT, TOXLINE, TOXLIT, USPATFULL

(\*File contains numerically searchable property data)

Absolute stereochemistry.

09702165



135 REFERENCES IN FILE CA (1967 TO DATE)  
136 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2001 ACS

RN 4518-70-1 REGISTRY

CN Urs-12-en-28-oic acid, 2,3-dihydroxy-, methyl ester, (2.alpha.,3.beta.)-  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urs-12-en-28-oic acid, 2.alpha.,3.beta.-dihydroxy-, methyl ester (7CI,  
8CI)

OTHER NAMES:

CN **2.alpha.-Hydroxyursolic acid methyl ester**

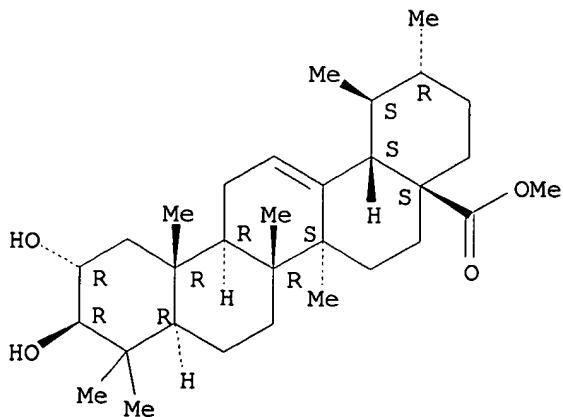
CN Methyl 2.alpha.-hydroxyursolate

FS STEREOSEARCH

MF C31 H50 O4

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, SPECINFO, TOXLIT  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



27 REFERENCES IN FILE CA (1967 TO DATE)

09702165

27 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

Connecting via Winsock to STN

Trying 3106016892...Open